



Product Change Notification - GBNG-02AHWK946

Date:

09 Aug 2019

Product Category:**Notification subject:**

CCB 3857 Final Notice: Implement Microchip Part Aging Policy, Combination Rules, Recertification, Label and Packing Changes for selected Microsemi (SNR, PM, PoE and CBU) products.

Notification text:**PCN Status:**

Final notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CPN.

Note 1: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Note 2: As part of the integration process additional products may be identified that were not part of the original list.

Description of Change:

Implement Microchip Part Aging Policy, Combination Rules, Recertification, Label and Packing Changes for selected Microsemi (SNR, PM, PoE and CBU) products within the Microsemi subsidiaries Microsemi Solutions Sdn.Bhd. which includes formerly Sensors, Power Management, Power over Ethernet and Communications Business Unit / PMC Sierra.

Change in Part Aging Policy

Change in Combination Rules

Change in Recertification Program

Change in Reel/Bag/Inner/Outer Shipping/MSL Labels

Change to Packing Method

Pre Change:

Using Microsemi's packing process.

Post Change:

Using Microchip's packing process.

Pre and Post Change Summary:

NOTE: See attached Packing Pre and Post Changes for the changes of the following.

<u>Details</u>	PRE CHANGE (MSCC)	POST CHANGE (Microchip)
Part Aging Policy	- Microsemi may ship parts up to 24 months (2 years). - Parts older than 24 months (2 years) will shipped only after prior approval from customer.	- Microchip may ship parts up to 48 months (4 years). - Parts older than 24 months (2 years) old will be recertified prior to shipment.
Combination Rule	- 1 device, 2 date codes	- 1 device, 3 date codes
Recertification Program	- Recertification of solderability at 3 years and solderability and	- Parts older than 24 months (2 years) old will be recertified

		electrical test at 5 years.	prior to shipment
Label	Inner Shipping Label	- Microsemi branded label - Without 2D bar code	- Microchip branded label - With 2D bar code
	Outer Shipping Label	- No standard shipping label - Without 2D bar code	- Microchip standard label - With 2D bar code
	ESD Caution Label	With ESD caution label on reel	Without ESD caution label on reel
	MSL Caution Label	- With Moisture Sensitivity Level label on moisture barrier bag for MSL 1 products - With MSL caution label being attached on MBB for MSL 3 products - Calculated shelf life of 12 months for MSL 3 products	- Without Moisture Sensitivity Level label on moisture barrier bag for MSL 1 products - Pre-printed MSL caution label on MBB for MSL 3 products - Calculated shelf life of 24 months for MSL 3 products
	Moisture Sensitivity Identification Label	No Moisture Sensitivity Identification (MSID) label on inner carton	With Moisture Sensitivity Identification (MSID) label on inner carton for moisture sensitive device
Packing	Method	Use the kraft to fill in outer carton	Use bubble sheet to fill in outer carton
	Material	- MBB no Desiccant - SSB + Desiccant	- MSL1 product - use of static sensitive bag (SSB) without desiccant and HIC
	Desiccant	1, 2, or 4 desiccants per bag depending on packaging site	2 desiccants per bag for all products
	Humidity Indicator Card (HIC)	Cobalt Dichloride free or Cobalt free	Cobalt free
	Moisture Barrier Bag / Static Shield Bag	See attached Pre and Post Changes	
	Inner/Outer Carton	See attached Pre and Post Changes	

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve productivity by standardizing the packing method as part of the integration of Microsemi



and Microchip.

Change Implementation Status:

In Progress

Earliest Implementation Date:

November 01, 2019

Note: The earliest implementation date is the earliest date that we may implement any combination of the changes listed in this PCN as we will not implement any of the proposed changes prior to this date. After the earliest implementation date these changes may occur to any product over the course of many months depending on inventory levels and business conditions.

Time Table Summary:

	August 2019					->	November 2019				
Workweek	31	32	33	34	35		44	45	46	47	48
Final PCN Issue Date		X									
Estimated Implementation Date							X				

Method to Identify Change:

Traceability, label, inner and outer boxes.

Contact Microchip:

You may contact your local [Microchip Sales and Distribution](#). Contact information is also provided on the attached Frequently Asked Questions (FAQ).

If applicable, please also copy your local Microchip field sales and/or field quality representative.

Revision History:

August 09, 2019: Issued final notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):

[Frequently Asked Questions Microsemi November.pdf](#)

[PCN_GBNG-02AHWK946_Affected CPN.pdf](#)

[PCN_GBNG-02AHWK946_Pre_and_Post_Changes.pdf](#)

[PCN_GBNG-02AHWK946_Affected CPN.xlsx](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

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If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.



**Part Aging Policy, Combination Rules, Recertification,
Label and Packing Changes for selected Microsemi
(SNR, PM, PoE-IC, PoE-MCU, CBU) products.**

CCB NO. 3857

Label and Packing material change of SNR, PM

Part Aging SNR/PM

PRE CHANGE

Microsemi may ship parts up to [24 months \(2 years\)](#). Parts older than 24 months (2 years) will be shipped only after prior approval from

POST CHANGE

Microchip may ship parts up to [48 months \(4 years\)](#). Parts older than 24 months (2 years) old will be recertified prior to shipment. The requirement will be applied for both automotive and commercial.

Reason: Material sets used to manufacture integrated circuits have shown no degradation in solderability, moisture sensitivity or reliability of products after 48 months.

For more information related to Microchip's part aging strategy, please visit the following link on our website: [Component Age Policy](#)

Combination Rule

SNR/PM

PRE CHANGE

- 1 Device.
- 2 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

POST CHANGE

- 1 Device.
- 3 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

Recertification Program

SNR/PM

PRE CHANGE

Recertification of solderability at 3 years and solderability and electrical test at 5 years.

6.0 IC RE-CERTIFICATION BECAUSE OF EXCESSIVE LONG TERM STORAGE
This procedure assumes that the specified storage control conditions at MSC-AMSG and subcontractors have been maintained consistently during the storage period.
If it has been determined that any group of devices has not been stored in compliance with the environmental requirements specified by the storage specification, the re-certification of each case shall be considered on an individual basis.

Storage Time

Re-certification is required for MSC-AMSG ICs which have exceeded the original certification date as indicated below:

Plastic Package
Physical/Mechanical degradation: 3 years by Date Code
Electrical degradation 5 years by Date Code

Hermetic Package
Physical/Mechanical degradation: 3 years by Date Code
Electrical degradation 3 years by Date Code

Tests for Re-Certification

Group A Electrical Inspection assures that the device has not been adversely affected by moisture absorption, tin whisker growth (plastic packages) and conformance to the latest specification (all packages).

Plastic Package	Group A Electrical Inspection IAW the device test traveler
Electrical degradation	
Hermetic Package	
Electrical degradation	Group A Electrical Inspection IAW the device test traveler

POST CHANGE

Parts older than 24 months (2 years) old will be recertified prior shipment. It may include one or more of the following: inspections, retest, rescanning and repacking of parts.

WIP: Original datecode exceeds 22 months and it is not over 3 years 10 months.

FG : Original datecode exceeds 23 months and it is not over 4 years.

RMA : Original datecode exceeds 24 months and and it is not over 4 years.

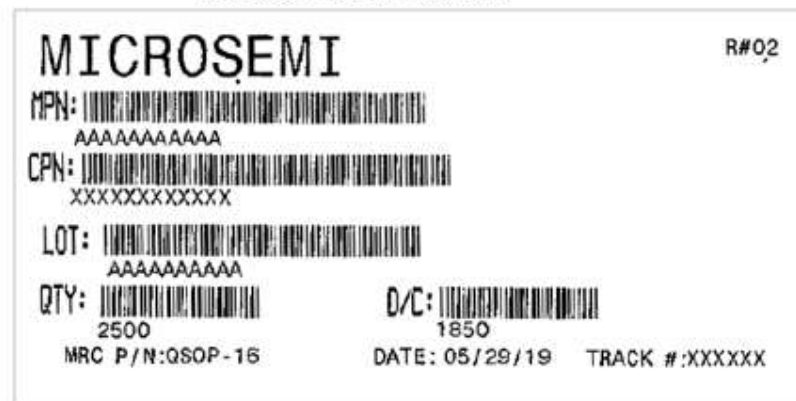
Reel/Bag/Inner Label SNR, PM

PRE-CHANGE

CIRTEK PHILLIPPINE



MRC SAN JOSE



SPEL INDIA

Microsemi Corporation



MANUFACTURER P/N AAC243E-S8A-G-LF-TR



DATE CODE 1430



LOT NO T58145 (2014070223)



Pb-free

PKG TYPE:
 8 LD-SQ
 OPERATOR ID#:
 792 - 140815190001



QTY 2500

UNISEM CHINA



Reel/Bag/Inner Label SNR, PM

PRE-CHANGE

UNISEM Malaysia



UTAC CHINA



UTAC THAILAND



Reel/Bag/Inner Label SNR, PM

POST CHANGE

(1P) CATALOG P/N: ABCDEFGH IJKLMN BB-CC-DDDD-EEEE-FF										
										
(1T) LOT NO.: 114601899000MTAI	MSL: 3/260 C PKG: TFBGA LEAD: 48	   								
		(Q) QTY 2500								
(P) CUST. P/N: ABCDEFGH IJKLMN PQRSTU REV A										
										
MPC: ABCDEFGH KLMNO	SEAL DATE: MM/DD/YY WAFER QTY: - WAFER REV: - RECERT D/C: - WAFER LOT: -	<table border="1"> <thead> <tr> <th>D/C</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>1407</td> <td>250</td> </tr> <tr> <td>1408</td> <td>1000</td> </tr> <tr> <td>1509</td> <td>1250</td> </tr> </tbody> </table>	D/C	QTY	1407	250	1408	1000	1509	1250
D/C	QTY									
1407	250									
1408	1000									
1509	1250									
										
ID#:(001) TRACE CODE: 1407B1R,1408B1Q,1509A3R										
										
		MADE IN THAILAND								



Reel/Bag/Inner Label

SNR, PM

PRE CHANGE																		POST CHANGE					
CIRTEK			MRC			SPEL			UNISEM CHINA			UNISEM MALAYSIA			UTAC CHINA			UTAC THAILAND			MCHP		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode			
MICROCHIP	Y	N	MICROSEMI	Y	N	Microsemi Corporation	Y	N	Microsemi Logo	Y	N	Microsemi Logo	Y	N	Microsemi Logo	Y	N	MICROSEMI CORPORATI ON	Y	N	Microchip Logo	Y	N
DEVICE	Y	N	CPN	Y	Y	MANUFACTURER P/N	Y	Y	DEVICE	Y	Y	DEVICE	Y	Y	PART NO	Y	Y	DEVICE	Y	Y	(1P) CATALOG P/N	Y	Y
LOT#	Y	N	LOT	Y	Y	LOT NO	Y	Y	LOT NO	Y	Y	LOT NO	Y	Y	LOT NUMBER	Y	Y	LOT1	Y	Y	(1T) LOT NO	Y	Y
QTY	Y	N	QTY	Y	Y	QTY	Y	Y	QTY	Y	Y	QTY	Y	Y	QTY	Y	Y	QTY	Y	Y	(Q) QTY	Y	Y
DATE CODE	Y	N	D/C	Y	Y	DATE CODE	Y	Y	D/C	Y	Y	D/C	Y	Y	DATE CODE	Y	Y	DC1	Y	Y	D/C	Y	N
-	-	-	-	-	-	Pb Free Symbol	Y	N	Pb-free	Y	N	Pb Free Symbol	Y	N	Pb Free Symbol	Y	N	-	-	-	Pb Free Symbol	Y	N
-	-	-	-	-	-	-	-	-	RoHS	Y	N	-	-	-	-	-	-	-	-	-	RoHS Symbol	Y	N
-	-	-	-	-	-	-	-	-	ASSY LOCATION	Y	N	ASSY LOCATION	Y	N	COO		Y	-	-	-	MADE IN	Y	N
PKGE	Y	N	-	-	-	PKG TYPE	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	PKG	Y	N
-	-	-	-	-	-	-	-	-	FINAL TEST	Y	N	FINAL TEST	Y	N	-	-	-	-	-	-	-	-	-
QC/QA Tested Good	Y	N	-	-	-	-	-	-	QA	Y	N	QA	Y	N	-	-	-	-	-	-	-	-	-
DEV. CODE	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	MPN	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MPC	Y	N
-	-	-	MCR P/N	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Reel/Bag/Inner Label

SNR, PM

PRE CHANGE																	POST CHANGE						
CIRTEK			MRC			SPEL			UNISEM CHINA			UNISEM MALAYSIA			UTAC CHINA			UTAC THAILAND			MCHP		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
-	-	-	DATE	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	TRACK#	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	OPERATOR ID#	Y	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	REEL ID	Y	Y	-	-	-	-	-	-	BOX no.	Y	N	ID#	Y	Y
-	-	-	-	-	-	-	-	-	-	-	-	MES LOT ID	Y	Y	-	-	-	PT NO	Y	Y	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DC2	Y	Y	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	QTY (per D/C)	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	eCAT Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(P) CUST. P/N	Y	Y
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MSL	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEAL DATE	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	TRACE CODE	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	China RoHS Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LEAD	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WAFER QTY	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WAFER REV	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RECERT D/C	Y	N

Outer Label SNR, PM

PRE-CHANGE

UNISEM MALAYSIA

FROM: MICROSEMI CORPORATION C/O UNISEM (M) BERHAD IPC WAREHOUSE NO.1 PERSIARAN PULAI JAYA	
TO: KSR Electronic Systems Ltd Heoi y Ddraig, Penlengae Business Park Penlengae, Swansea SA4 9HL UNITED KINGDOM UNITED KINGDOM	
(4S) PKG TYPE: 16QSOP-M(SN)	
DEV: AAB00A_V1R6-01-1416-GLF-1316S-TR	
(Q) QTY: 30000	
(14K) P.O.#: P000070	
DATE CODE: 1915	NET WEIGHT 9.20 KG
PACKAGE COUNT OF:	GROSS WEIGHT 10.50 KG

UNISEM CHINA

UNISEM CHENGDU CO., LTD No. 2-2 Ke sin Road, Chengdu, Sichuan PR CHINA #11751	
SHIP TO:	
ATTN:	
Invoice No.: 12345678	
Carton No.: 1 OF 3	
Device: L37176CLQ-TR	
Cust PO No.: 123456789	
QTY: 30000	
GW: 1.6KG	
IC	
Country of Origin: China	

UTAC CHINA

FROM:  UTAC Dongguan Ltd.	
TO: Jabil Circuit de Mexico S.de R.L.de C.v. Almacen General Av. Valdepenas 1993, Col Lomas de Zapopan, Zapopan Jalisco 45130 Mexico Jalisco 45130 MEXICO	
Inner BOX qty: 4	1000949020
BOX: 1 OF 7	DN NO: 80560141

UTAC THAILAND

2019-AAW-05-G007		214000	
QTY 20000		CARTON 1 OF 1	
ATTN:		NET WEIGHT(KG)	GROSS WEIGHT(KG)
SHIP TO: ZENTRON HK LIMITED 80 GOLDEN HOLDINGS CENTRE 15-15 YUEN SHUN CIRCUIT SHU LUK YUEN SHANTIN, HONG KONG		1.3	1.8
		AAI	
UTAC THAI LIMITED 73 Moo 5, Bangpakong, Bangkok, Thailand 24 Moo 10, Bangpakong Tel: 02-145-1456 ext. 3337, 3373 Fax: 02-749 2147		Untested Parts	

GARDEN GROVE

No standard Shipping label

Outer Label SNR, PM

POST CHANGE

B-HK-PHC-S2269812		SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
			
Cust. 3139 227 01992 P/N: 			
Catalog P/N:	DSPIC33FJ128MC510T-I/PTC22	 	
PO#:	55016400/2	SO #:	472542/26
			
		Qty:	200000
			
		Hong Kong 10-21-2010 (mm-dd-yyyy)	
		Carton 1 of 20 19.5 kgs	

Outer Label

SNR, PM

PRE CHANGE											POST CHANGE			
UNISEM CHINA			UNISEM MALAYSIA			UTAC CHINA			UTAC THAILAND			MCHP		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Ship from address	Y	N	Ship from address	Y	N	Ship from address	Y	N	Ship from address	Y	N	-	-	-
Ship to address	Y	N	Ship to address	Y	N	Ship to address	Y	N	Ship to address	Y	N	SHIP TO	Y	N
Invoice No.	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-
Carton No.	Y	Y	-	-	-	BOX ... OF ...	Y	N	CARTON ... OF ...		N	No of carton	Y	N
Device	Y	Y	DEV	Y	Y	-	-	-	-	-	-	Catalog P/N	Y	Y
Cust PO No.	Y	Y	(14K) P.O.#	Y	Y	-	-	-	-	-	-	PO#	Y	Y
QTY	Y	Y	(Q) QTY	Y	Y	-	-	-	QTY	Y	N	Qty	Y	Y
GW	Y	N	GROSS WEIGHT	Y	N	-	-	-	GROSS WEIGHT	Y	N	Gross Weight	Y	N
Country of Origin	Y	N	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	(4S) PKG TYPE	Y	Y	-	-	-	-	-	-	-	-	-
-	-	-	DATE CODE	Y	Y	-	-	-	-	-	-	-	-	-
-	-	-	NET WEIGHT	Y	N	-	-	-	NET WEIGHT	Y	N	-	-	-
-	-	-	PACKAGE COUNT	Y	N	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	Inner BOX qty	Y	N	-	-	-	-	-	-

Outer Label

SNR, PM

PRE CHANGE												POST CHANGE		
UNISEM CHINA			UNISEM MALAYSIA			UTAC CHINA			UTAC THAILAND			MCHP		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
-	-	-	-	-	-	DN NO	Y	N	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	Cust P/N	Y	Y
-	-	-	-	-	-	-	-	-	-	-	-	SO#	Y	Y
-	-	-	-	-	-	-	-	-	-	-	-	(mm-dd-yyyy)	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	eCAT Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	Pb Free Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	RoHS Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	China RoHS Symbol	Y	N
-	-	-	-	-	-	-	-	-	-	-	-	Ship Number	Y	Y
-	-	-	-	-	-	-	-	-	-	-	-	2D barcode	N	Y

ESD Caution label on Reel

SNR, PM

PRE CHANGE

UNIC



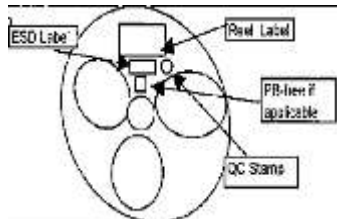
UNIS 13"



UTAC-TH



MRC 13"



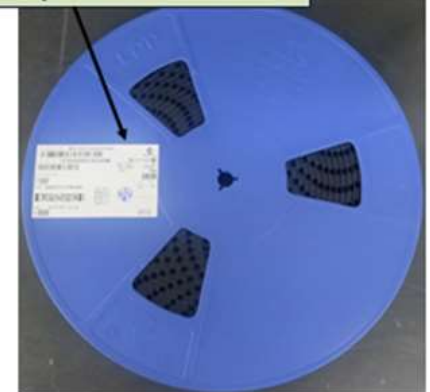
POST CHANGE

7"



Reel Label on opposite sprocket holes side

13"



Remove ESD label on reel



Packing method

SNR, PM

PRE CHANGE

- Use the kraft to fill in outer carton



UNIC

POST CHANGE

- Use bubble sheet to fill in outer carton



Packing material change

SNR, PM

PRE CHANGE

UNIC (MBB no Desiccant)



UTAC-TH (SSB+Desiccant)



UNIS (SSB+ Desiccant)

POST CHANGE

Part no.	Dimension W x L (cm)
24000023	37.0x42.0



Change bag for MSL1 product to Static Shield Bag (SSB)TnR without Desiccant and HIC

MSL1 caution label SNR, PM

PRE CHANGE



UNIC

	Caution This bag contains MOISTURE-SENSITIVE DEVICES	LEVEL 1
	If blank, use adjacent bar code label	
1. Calculated shelf life in sealed bag: 24 months at <40°C and <90% relative humidity (RH)		
2. Peak package body temperature: <u>260</u> °C If blank, use adjacent bar code label		
3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must a) Mounted within <u>Unlimited</u> year of factory conditions If blank, use adjacent bar code label <30°C/60%RH, OR b) Stored at <10%RH		
4. Devices require bake, before mounion, if: a) Humidity Indicator Card is >10% for level 2a-5a devices or >60% for level 2 devices when read at 23±5°C b) 3a or 3b not met		
5. If baking is required reference IPC/JEDEC J-STD-033 for bake procedure reference IPC/JEDEC J-STD-033 for bake procedure		
Bag Sealed Date : _____ If blank, use adjacent bar code label		
Note: Level and body temperature defined by IPC/JEDEC J-STD-020		

For WLCSP

POST CHANGE

Remove MSL1 Label on MBB

Desiccant – Amount SNR, PM

PRE CHANGE

Subcon	Packing Media	Amount of Desiccant per one MBB
MRC San Jose	TnR	2 Units (2 units x 1 pouch)
UNIS	TnR	1 Unit (1 unit X 1 pouch)



MRC San Jose



UNIS

POST CHANGE

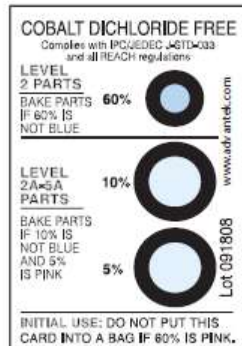
Packing Media	Amount of Desiccant per one MBB
TnR	2 Units (1 unit X 2 pouches)



Humidity Indicator Cards (HIC) SNR, PM

PRE CHANGE

MRC SAN JOSE



UNIS



Subcon	HIC Type
MRC San Jose	3 Dots (5%, 10%, 60%) - Cobalt Dichloride free
UNIS	3 Dots (5%, 10%, 60%) - Cobalt Dichloride free

POST CHANGE

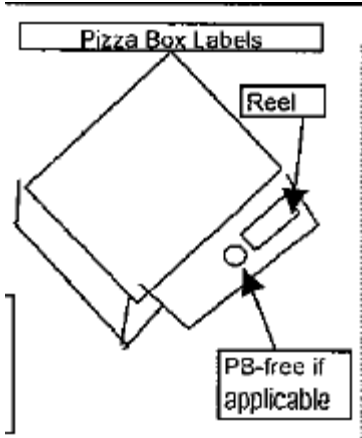


- 3 Dots (5%, 10%, 60%)
- Cobalt free

Moisture Sensitivity Identification label SNR, PM

PRE CHANGE

MRC San Jose



UNIS



POST CHANGE



Add MSID label
to affix on inner
carton for
moisture
sensitive device



MSL Caution Label SNR, PM

PRE CHANGE

MRC SAN JOSE



1. Calculated shelf life in sealed bag: 24 months at $<40^{\circ}\text{C}$ and $<90\%$ relative humidity (RH)
2. Peak package body temperature: Pb free + 260°C , SnPb + 245°C
3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be:
 - a) Mounted within: 168 hours of factory conditions $<30^{\circ}\text{C}/60\%$ RH, OR
 - b) Stored per J-STD-033
4. Devices require bake, before mounting, if:
 - a) Humidity Indicator Card is $>10\%$ when read at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$
 - b) 3a or 3b not met.
5. If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure.

Bag Seal Date: _____

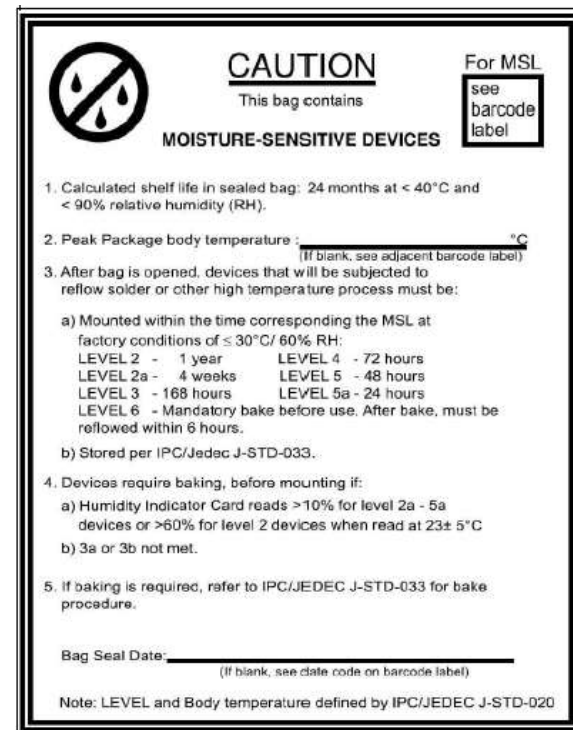
Note: Level and body temperature defined by IPC/JEDEC J-STD-020

UNIS



POST CHANGE

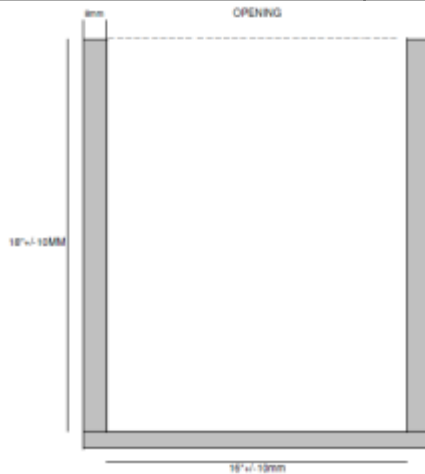
Change MSL caution and pre-print on MBB



Moisture Barrier Bag (MBB)-13”TnR SNR, PM

PRE CHANGE

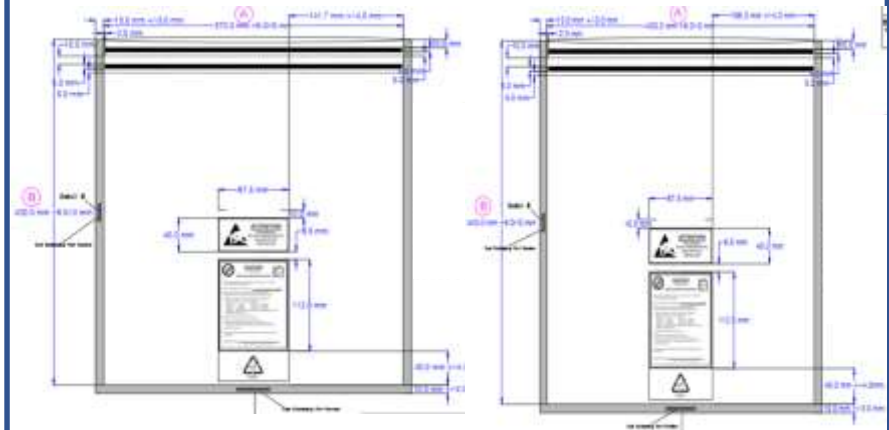
Subon	Dimension W x L (cm)
UNIS	40.6x45.7
MRC	43.1x48.2



UNIS

POST CHANGE

Part no.	Dimension W x L (cm)
24000001 (Small)	37.0 x 42.0
24000006 (Large)	40.0 x 44.0



24000001 (Small)

24000006 (Large)

7" TnR Inner Carton

SNR, PM

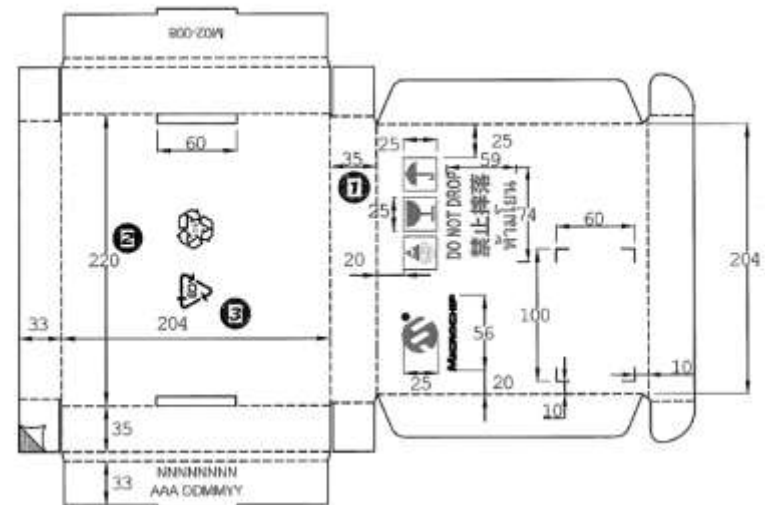
PRE CHANGE

BU	Subon	Dimension W x L x H (cm)
SNR, PM	UNIC (WLCSP)	19.5x21.0x3.9
	UTAC-TH	20.3x20.3x3.3
	UTAC-CH	20 x 20 x 7.5
	MRC San Jose	19.4x19.7x5.1

Refer Drawing in next page

POST CHANGE

Drawing number	Dimension W x L x H (cm)
M02-008	22x20.4x3.3





UNIC



13" TnR Inner Carton

SNR, PM

PRE CHANGE

BU	Subon	Dimension W x L x H (cm)
SNR, PM	UNIC	34.7×35.2×5.3
	UNIS	35x35.2x5.1
	UTAC-TH	35.5x37.0x5.5
	UTAC-CH	35x37x8.0
	CIRTEK	34.3 x 37.0x 5.3
	MRC	34.3x 34.3x5.1
	SPEL	34.0 x 34.5 x 5.5

Refer Drawing in next page

POST CHANGE

Drawing number	Dimension W x L x H (cm)
M02-009	34x35.6x5.0
M02-015 (Small)	37x35.1x5.3
M02-016 (Large)	37x35.3x7.7

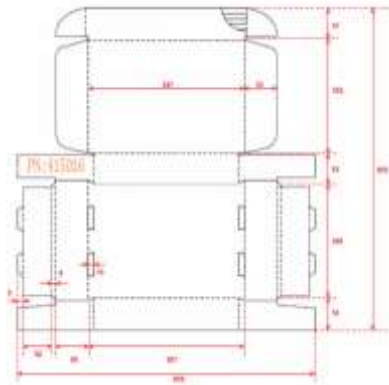
Refer Drawing in next page

13" TnR Inner Carton

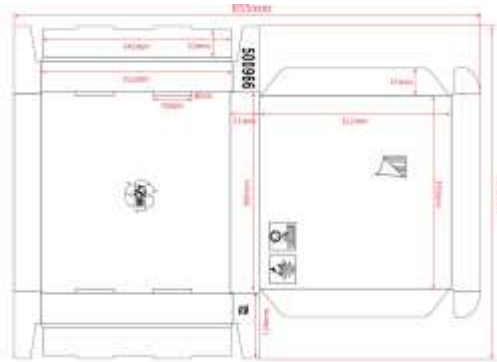
SNR, PM

PRE-CHANGE

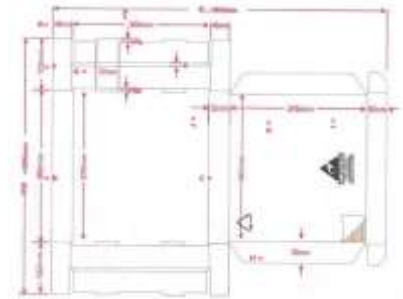
UNIC



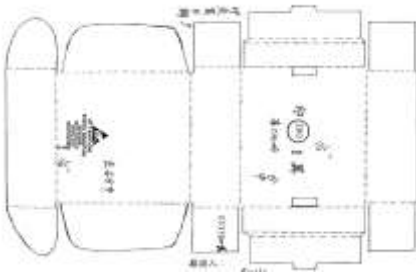
UNIS



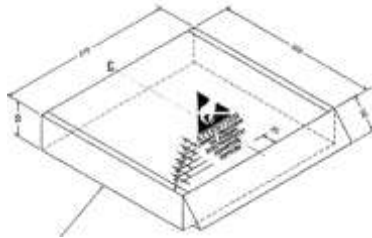
CIRTEK



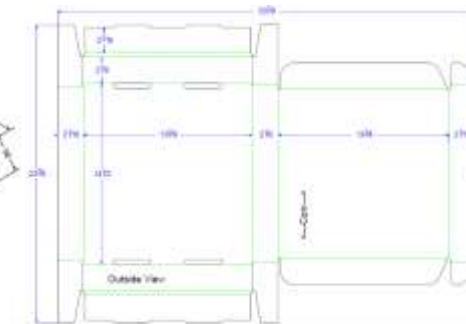
UTAC-CH



UTAC-TH

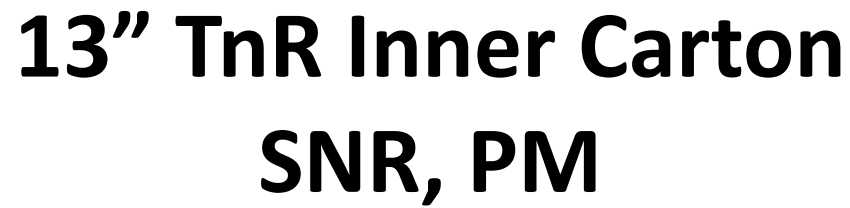


MRC



SPEL





28

Tube Inner Carton

SNR, PM

PRE CHANGE

Subcon	Dimension W x L x H (cm)
MSCC SAN JOSE	No Standard Tube Inner Carton

POST CHANGE

Drawing number	Dimension W x L x H (cm)
M02-009	34x35.6x5.0

7" TnR Outer Carton

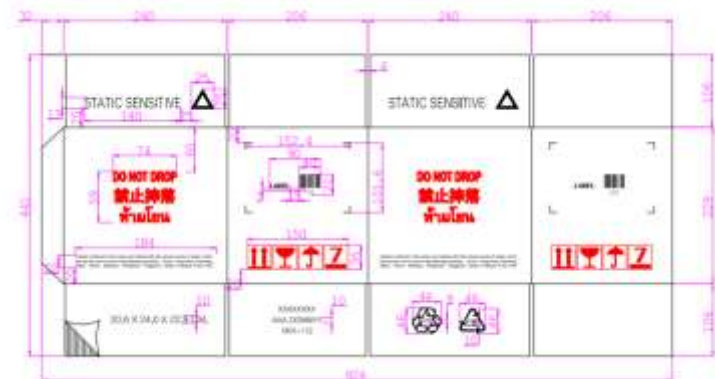
SNR, PM

PRE CHANGE

Subcon	Dimension W x L x H (cm)	Inner : Outer
UNIC	22.7x36.7x22.5	8:1
	41x44x22.5	18:1
UTAC-TH	38.5x 38x15.5	4:1
	38.5x38x38.5	30:1
	66x39x39	60:1
UTAC-CH	50x317.5x34	12:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer
M01-044 (SM)	37.0x38.0x11.0	2 : 1
M01-112 (LO)	20.6x24.0x22.9	5 : 1
M01-038 (RT)	20x46x23	10 : 1



M01-112 (LO)	20.6x24.0x22.9	5 : 1
--------------	----------------	-------

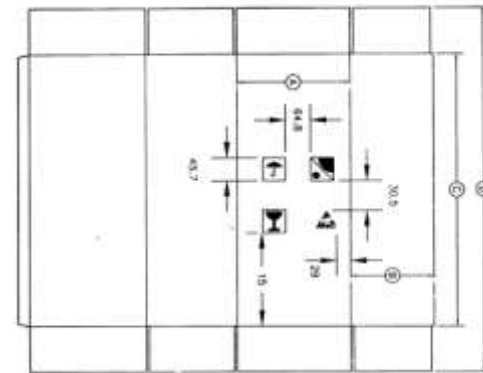
7" TnR Outer Carton SNR, PM

PRE-CHANGE

UNIC



UTAC-TH

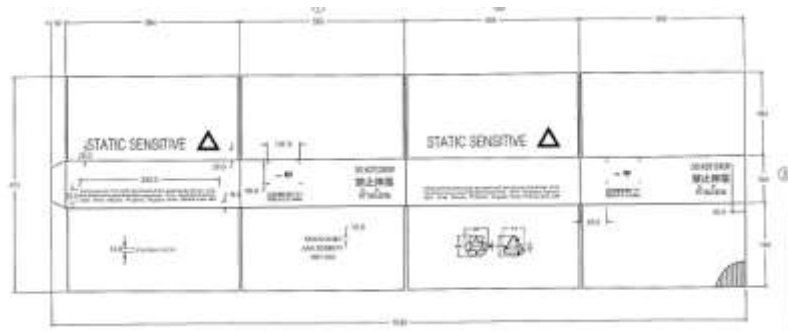


UTAC-CH



7" TnR Outer Carton SNR, PM

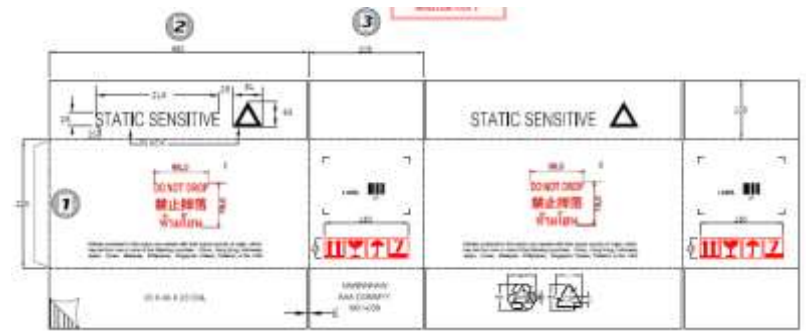
POST CHANGE



M01-044 (SM)

37.0x38.0x11.0

2 : 1



M01-038 (RT)

20x46x23

10 : 1

13" TnR Outer Carton

SNR, PM

PRE CHANGE

Subcon	Dimension W x L x H (cm)	Inner : Outer
Garden Grove	38.1x38.1x10.16	1:1
	38.1x38.1x30.48	5:1
	38.1x38.1x38.1	6:1
	38.1x38.1x60.96	10:1
USIC	39x60x39	10:1
	30x38.5x38.5	5:1
	38.5x38.5x19.0	3:1
UNIS	38x38.5x12.5	2:1
	39x39x40	6:1
	40x59x38.5	10:1
	36x62x52.5	12:1
UTAC-TH	38.5x 38x15.5	2:1
	38.5x38x38.5	5:1
	66x39x39.0	11:1
UTAC-CH	37.8x34x36.8	4:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer	
		M02-009 M02-015	M02-016
M01-044 (SM)	37.0x38.0x11.0	1 : 1	1 : 1
M01-045 (S4)	37.0x38.0x22.5	3 : 1	2 : 1
M01-046 (S5)	37.0x39.0x39.0	6 : 1	4 : 1
M01-047 (S3)	42.0x66.0x39.0	11 : 1	8 : 1

Tube Outer Carton SNR, PM

PRE CHANGE

Subcon	Dimension W x L x H (cm)	Inner : Outer
Garden Grove	38.1x38.1x10.16	1:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer
M01-022 (PP)	15.5x62.0x14.0	1 : 1
M01-028 (C4)	28x63.5x11	2 : 1
M01-029 (C6)	28x63.5x15.5	3 : 1
M01-030 (C8)	28x63.5x20	4 : 1

Label and Packing material change of PoE-IC

Part Aging PoE-IC

PRE CHANGE

Microsemi may ship parts up to [24 months \(2 years\)](#). Parts older than 24 months (2 years) will shipped only after prior approval from

POST CHANGE

Microchip may ship parts up to [48 months \(4 years\)](#). Parts older than 24 months (2 years) old will be recertified prior to shipment. The requirement will be applied for both automotive and commercial.

Reason: Material sets used to manufacture integrated circuits have shown no degradation in solderability, moisture sensitivity or reliability of products after 48 months.

For more information related to Microchip's part aging strategy, please visit the following link on our website: [Component Age Policy](#)

Combination Rule

PoE-IC

PRE CHANGE

- 1 Device.
- 2 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

POST CHANGE

- 1 Device.
- 3 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

Recertification Program

PoE-IC

PRE CHANGE

Recertification of solderability at 3 years and solderability and electrical test at 5 years.

- 6.0 IC RE-CERTIFICATION BECAUSE OF EXCESSIVE LONG TERM STORAGE
This procedure assumes that the specified storage control conditions at MSC-AMSG and subcontractors have been maintained consistently during the storage period.
If it has been determined that any group of devices has not been stored in compliance with the environmental requirements specified by the storage specification, the re-certification of each case shall be considered on an individual basis.
- Storage Time**
Re-certification is required for MSC-AMSG ICs which have exceeded the original certification date as indicated below:
- | | |
|----------------------------------|----------------------|
| Plastic Package | |
| Physical/Mechanical degradation: | 3 years by Date Code |
| Electrical degradation | 5 years by Date Code |
| Hermetic Package | |
| Physical/Mechanical degradation: | 3 years by Date Code |
| Electrical degradation | 3 years by Date Code |
- Tests for Re-Certification**
Group A Electrical Inspection assures that the device has not been adversely affected by moisture absorption, tin whisker growth (plastic packages) and conformance to the latest specification (all packages).
- | | |
|------------------------|--|
| Plastic Package | Group A Electrical Inspection IAW the device test traveler |
| Electrical degradation | |
| Hermetic Package | Group A Electrical Inspection IAW the device test traveler |
| Electrical degradation | |

POST CHANGE

Parts older than 24 months (2 years) old will be recertified prior shipment. It may include one or more of the following: inspections, retest, rescanning and repacking of parts.

WIP: Original datecode exceeds 22 months and it is not over 3 years 10 months.

FG : Original datecode exceeds 23 months and it is not over 4 years.

RMA : Original datecode exceeds 24 months and and it is not over 4 years.

Reel/Bag/Inner Label

PoE - IC

PRE-CHANGE

ASEM

PB FREE / RoHS	 Microsemi ANALOG MIXED SIGNAL GROUP ASSY LOCATION : THAILAND
DEVICE : SG3526BDW-TR 	
LOT NO : SG03549 / SG03540  	
QTY : 3000	
 D/C : 1918AD / 1930AB	QA :
FINAL TEST : YES	

UTAC THAILAND

PB FREE / RoHS	 Microsemi ANALOG MIXED SIGNAL GROUP ASSY LOCATION : CHINA
DEVICE : PD69104B1FILQ-TR 	
LOT NO : SL96175/SL96176  	
QTY : 1300/700	D/C : 1632A/1630B
 FINAL TEST : YES	QA :
BAG SEALDATE:23-AUG-2016	

UNISEM CHINA

Pb-free/RoHS	 Microsemi ANALOG MIXED SIGNAL GROUP ASSY LOCATION: CHINA
DEVICE: <u>XXXXXX</u>	
LOT NO.: <u>12345.6/23456.7</u>	
QTY.: <u>800/1200</u>	DATECODE: <u>1201A/1202B</u>
PKG TYPE: <u>LD</u>	FINAL TEST: <u>YES</u>
QA: <u></u>	CUST.PN: <u></u>

Reel/Bag/Inner Label

PoE-IC

POST CHANGE

(1P) CATALOG P/N: ABCDEFGH IJKLMN-BB-CC-DDDD-EEEE-FF										
										
(1T) LOT NO.: 114601899000MTAI		   								
	MSL: 3/260 C PKG: TFBGA LEAD: 48	(Q) QTY 2500								
(P) CUST. P/N: ABCDEFGH IJKLMNO PQRSTU REV A										
										
MPC: ABCDEFGH IJKLMNO										
	SEAL DATE: MM/DD/YY WAFER QTY: - WAFER REV: - RECERT D/C: - WAFER LOT: -	<table border="1"> <thead> <tr> <th>D/C</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>1407</td> <td>250</td> </tr> <tr> <td>1408</td> <td>1000</td> </tr> <tr> <td>1509</td> <td>1250</td> </tr> </tbody> </table>	D/C	QTY	1407	250	1408	1000	1509	1250
D/C	QTY									
1407	250									
1408	1000									
1509	1250									
ID#:(001) TRACE CODE: 1407B1R,1408B1Q,1509A3R										
										
		MADE IN THAILAND								



Reel/Bag/Inner Label PoE-IC

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Pb-Free/RoHS Symbol	Yes	No	Pb Free Symbol	Yes	No
			RoHS Symbol	Yes	No
Microsemi logo	Yes	No	Microchip logo	Yes	No
Assy Location	Yes	No	-	-	-
DEVICE	Yes	Yes	(1P) CATALOG P/N	Yes	Yes
LOT No	Yes	Yes	(1T) LOT NO	Yes	Yes
QTY BOX	Yes	Yes	(Q) QTY	Yes	Yes
FINAL TEST	Yes	No	-	-	-
QA	Yes	No	-	-	-
-	-	-	ID#	Yes	Yes
-	-	-	MPC	Yes	No



Reel/Bag/Inner Label PoE-IC

POST CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
-	-	-	D/C	Yes	No
-	-	-	(QTY)	Yes	No
-	-	-	MADE IN	Yes	No
-	-	-	eCAT Symbol	Yes	No
-	-	-	(P) CUST. P/N	Yes	Yes
-	-	-	MSL	Yes	No
-	-	-	SEAL DATE	Yes	No
-	-	-	TRACE CODE	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	PKG	Yes	No
-	-	-	LEAD	Yes	No
-	-	-	WAFER QTY	Yes	No
-	-	-	WAFER REV	Yes	No
-	-	-	RECERT D/C	Yes	No

Outer Label PoE-IC

PRE CHANGE

XPO-HK

Ship From: Israel EMS Inc. Plant 58 Light Ind. And Science Park PH Philippines		Ship To: Mos II Pg Microsemi PoE Ltd. Hod Hasharon 4501305 4501305 Israel	
Microsemi Part #:  PD-9801G0AC			
Customer Part #:			
Customer PO#: 4500087477 		Order: 450130 	
Box#: F376876A 	Item Qty: 5 	Weight: 14.5 	

RSC Microship

POST CHANGE

SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
B-HK-PHC-S2269812 	
Cust. P/N: 3139 227 01992 	
Catalog P/N: DSPIC33FJ128MC510T-I/PTC22 	
PO#: 55016400/2 	SO #: 472542/26 
Qty: 200000 	
	
Hong Kong 10-21-2010 (mm-dd-yyyy)	
Carton 1 of 20 19.5 kgs	



Outer Label PoE-IC

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
SHIP FROM	Yes	No	-	-	-
SHIP TO	Yes	No	SHIP TO	Yes	No
Customer PO#	Yes	Yes	PO#	Yes	Yes
Customer Part#	Yes	Yes	Cust P/N	Yes	Yes
Microsemi Part#	Yes	Yes	Catalog P/N	Yes	Yes
Order#	Yes	Yes	SO#	Yes	Yes
	-	-	(mm-dd-yyyy)	Yes	No
BoX#	Yes	Yes	-	-	-
Item Qty	Yes	Yes	No of carton	Yes	No
-	-	-	eCAT Symbol	Yes	No
-	-	-	Pb Free Symbol	Yes	No
-	-	-	RoHS Symbol	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	Ship Number	Yes	Yes
-	-	-	2D barcode	No	Yes
Weight	-	-	Gross Weight	Yes	No

MSL3 Caution Label PoE-IC

PRE-CHANGE

ASEM



CAUTION
This Bag Contains
MOISTURE SENSITIVE DEVICES

LEVEL
3

If blank, see adjacent
barcode label

- Calculated shelf life in sealed bag: 12 month at $< 40^{\circ}\text{C}$ and $< 90\%$ relative humidity (RH)
- a) Limited to peak package body temperature of 220°C if label indicates **SN/PB**, OR
 b) Limited to peak package body temperature of 260°C if label indicates **PB**, OR **GREEN**
- After bag is opened, devices that will be subjected to reflow solder or other high temperature process must
 - Mounted within: 168 hours of factory conditions $< 30^{\circ}\text{C}/60\%$ RH, OR
 - Stored at $< 10\%$ RH
- Devices require bake, before mounting, if:
 - Humidity Indicator Card is $> 10\%$ when read at $23 \pm 5^{\circ}\text{C}$
 - 3a or 3b not met
- If baking is required, devices may be baked for 24 hours at $125 \pm 5^{\circ}\text{C}$
 Note: If device containers cannot be subjected to high temperature or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for bake procedure

Bag Seal Date: **26APR05** 

(If blank, see bar code label)

Note: Level and body temperature defined by IPC/JEDEC J-STD-020

UTAC



Caution
This Bag Contains
MOISTURE-SENSITIVE DEVICES

LEVEL
3

If blank, see adjacent
barcode label

- Calculated shelf life in sealed bag: 12 months at $< 40^{\circ}\text{C}$ and $< 90\%$ relative humidity (RH)
- Peak package body temperature: 260 $^{\circ}\text{C}$
(If blank, see adjacent bar code label)
- After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be
 - Mounted within: 168 hours of factory conditions (If blank, see adjacent bar code label)
 - $\leq 30^{\circ}\text{C} / 60\%$ RH, or
 - Stored per J-STD-033
- Devices require bake, before mounting, if:
 - Humidity Indicator Card reads $> 10\%$ for level 2a-3a device or $> 60\%$ for level 2 device when read at $23 \pm 5^{\circ}\text{C}$
 - 3a or 3b are not met
- If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure

Bag Seal Date: May 06, 2017

Note: Level and body temperature defined by IPC/JEDEC J-STD-020

UNIC



CAUTION
This bag contains
MOISTURE SENSITIVE DEVICES

LEVEL
3

If blank, see adjacent
barcode label

- Calculated shelf life in sealed bag: 12 months at $< 40^{\circ}\text{C}$ and $< 90\%$ relative humidity (RH)
- Peak package body temperature: 260 $^{\circ}\text{C}$
(If blank, see adjacent bar code label)
- After this bag is opened, devices that will be subjected to reflow solder or other high temperature process must
 - Mounted within: 168 hours of factory conditions (If blank, see adjacent bar code label)
 - $\leq 30^{\circ}\text{C} / 60\%$ RH
 - Stored at $< 10\%$ RH
- Devices require bake, before mounting, if:
 - Humidity Indicator Card is $> 10\%$ when read at $23 \pm 5^{\circ}\text{C}$
 - 3a or 3b not met
- If baking is required, devices may be baked for 24 hours at $125 \pm 5^{\circ}\text{C}$
 Note: If device containers cannot be subjected to high temperature or shorter bake times are desired, reference IPC/JEDEC J-STD-033 for bake procedure

Bag Seal Date: (If blank, see bar code label)

Note: LEVEL defined by JEDEC Standard JESD22-A112

MSL3 Caution Label

PoE-IC

POST CHANGE

	CAUTION This bag contains MOISTURE-SENSITIVE DEVICES	For MSL see barcode label								
1. Calculated shelf life in sealed bag: 24 months at < 40°C and < 90% relative humidity (RH). 2. Peak Package body temperature : _____ °C (If blank, see adjacent barcode label) 3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be: a) Mounted within the time corresponding the MSL at factory conditions of ≤ 30°C/ 60% RH: <table border="0"><tr><td>LEVEL 2 - 1 year</td><td>LEVEL 4 - 72 hours</td></tr><tr><td>LEVEL 2a - 4 weeks</td><td>LEVEL 5 - 48 hours</td></tr><tr><td>LEVEL 3 - 168 hours</td><td>LEVEL 5a - 24 hours</td></tr><tr><td colspan="2">LEVEL 6 - Mandatory bake before use. After bake, must be reflowed within 6 hours.</td></tr></table> b) Stored per IPC/Jedec J-STD-033. 4. Devices require baking, before mounting if: a) Humidity Indicator Card reads >10% for level 2a - 5a devices or >60% for level 2 devices when read at 23± 5°C b) 3a or 3b not met. 5. If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure. Bag Seal Date: _____ (If blank, see date code on barcode label) Note: LEVEL and Body temperature defined by IPC/JEDEC J-STD-020			LEVEL 2 - 1 year	LEVEL 4 - 72 hours	LEVEL 2a - 4 weeks	LEVEL 5 - 48 hours	LEVEL 3 - 168 hours	LEVEL 5a - 24 hours	LEVEL 6 - Mandatory bake before use. After bake, must be reflowed within 6 hours.	
LEVEL 2 - 1 year	LEVEL 4 - 72 hours									
LEVEL 2a - 4 weeks	LEVEL 5 - 48 hours									
LEVEL 3 - 168 hours	LEVEL 5a - 24 hours									
LEVEL 6 - Mandatory bake before use. After bake, must be reflowed within 6 hours.										

- Change calculated shelf life from 12 months to 24 months
- Pre-print on MBB

Desiccant – Amount PoE-IC

PRE CHANGE

Subcon	Packing Media	Amount of Desiccant per one MBB
ASEM	13" TnR	4 Units (2 units X 2 pouches)
UTAC	13" TnR	4 Units (2 units X 2 pouches)
UNIC	13" TnR	1 Unit (1 units x 1 pouch)

ASEM



UTAC-TH



UNIC



Compliant with Mil-D-3464, TYPE I and II

POST CHANGE

Packing Media	Amount of Desiccant per one MBB
13" TnR	2 Units (1 unit X 2 pouches)



Compliant with Mil-D-3464, TYPE I and II

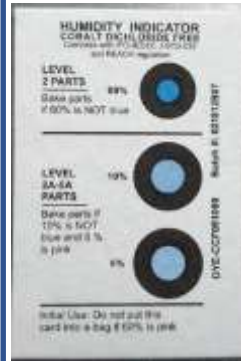
Humidity Indicator Cards (HIC) PoE-IC

PRE CHANGE

ASEM



UTAC



UNIC



POST CHANGE



- 3 Dots (5%, 10%, 60%)
- Cobalt free

Subcon	HIC Type
ASEM	• 3 Dots (5%, 10%, 60%) • Cobalt Dichloride free
UTAC	• 3 Dots (5%, 10%, 60%) • Cobalt Dichloride free
UNIC	• 6 Dots (10%, 20%, 30%, 40%, 50%, 60%) • Cobalt free

ESD Label on Reel

PoE-IC

PRE CHANGE

ESD label affix on reel



ESD Caution Label



ESD Symbol mark on reel



POST CHANGE

Remove ESD label affix on reel



Moisture Barrier Bag (MBB)-13”TnR PoE-IC

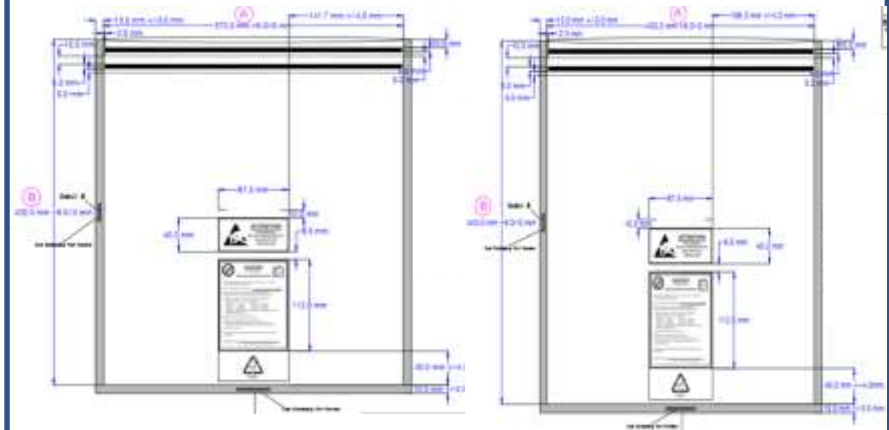
PRE CHANGE

Packing media	Subon	Dimension W x L (cm)
13” TnR	ASEM	40.64 x 45.72
	UTAC	37.60 x 44.45
	UNIC	40.64 x 45.72

Refer drawing next page

POST CHANGE

Part no.	Dimension W x L (cm)
24000001 (Small)	37.0 x 42.0
24000006 (Large)	40.0 x 44.0



24000001 (Small)

24000006 (Large)

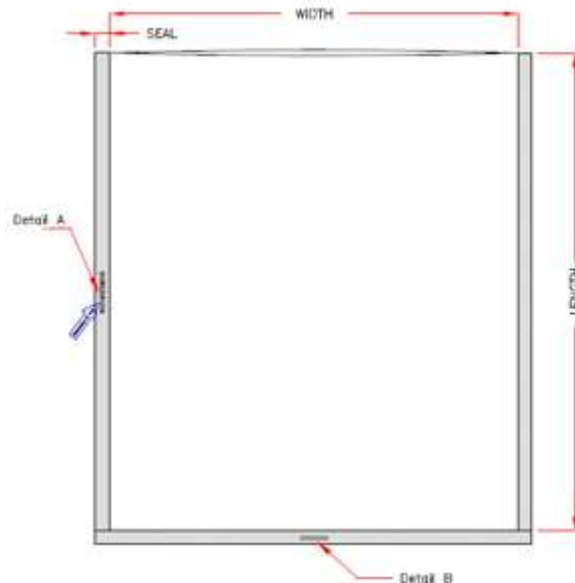
Moisture Barrier Bag (MBB)-13”TnR PoE-IC

PRE-CHANGE

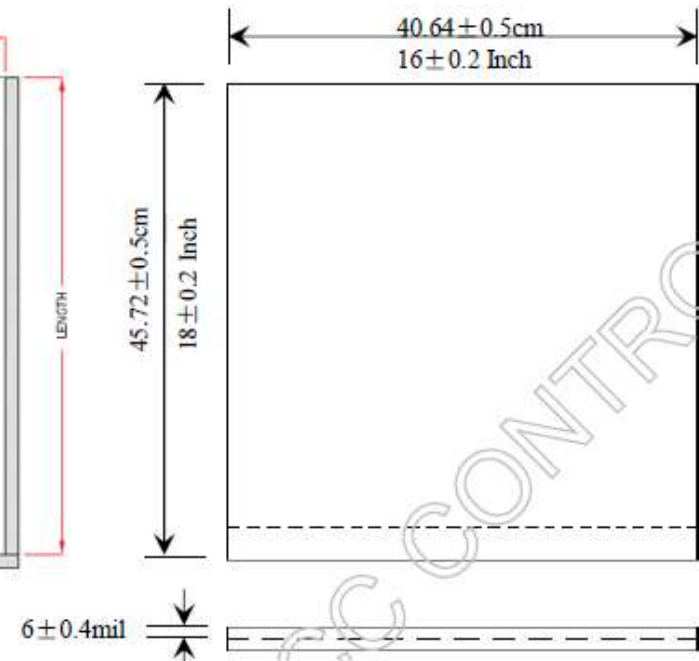
ASEM



UTAC



UNIC



Moisture Sensitivity Identification label (MSID Label) PoE-IC

PRE CHANGE

ASEM



UTAC



UNIC

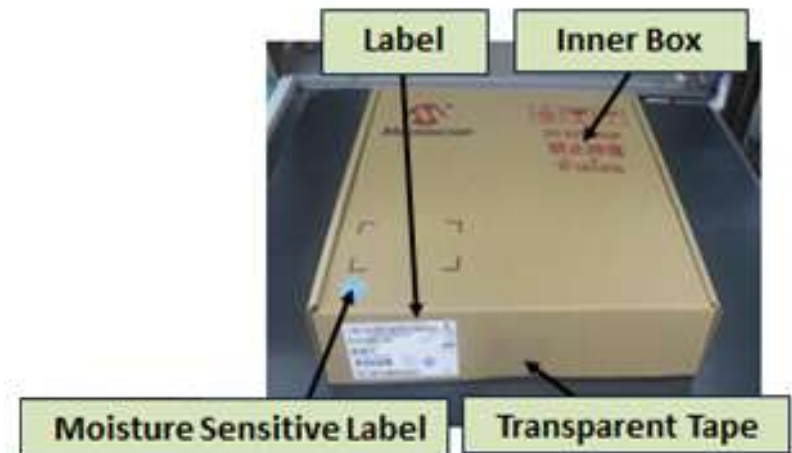


No MSID label on inner carton

POST CHANGE



Add MSID label to affix on inner carton for moisture sensitive device



13'' TnR Inner Carton PoE-IC

PRE CHANGE

Subcon	Drawing number	Dimension W x L x H (cm)
ASEM	115002522	34X34X7.0
UTAC	26030014	35.5X37.0X5.5
UNIC	510010	33.8x35.5x4.1

Refer Drawing in next page

POST CHANGE

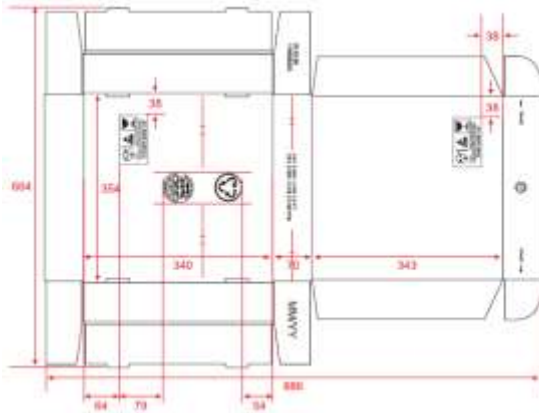
Drawing number	Dimension W x L x H (cm)
M02-009 For UTAC, UNIC	34x35.6x5.0
M02-015 (Small) For ASEM	37x35.1x5.3
M02-016 (Large) For ASEM	37x35.3x7.7

Refer Drawing in next page

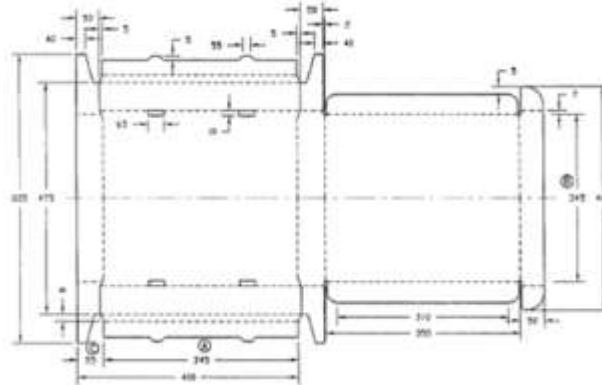
13" TnR Inner Carton PoE-IC

PRE-CHANGE

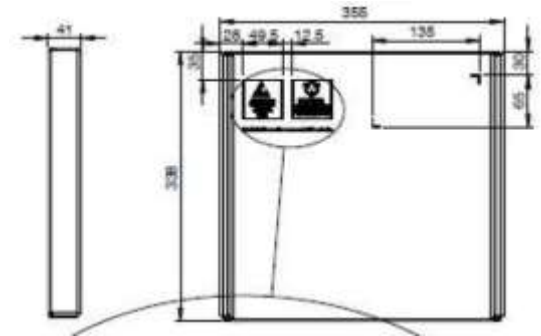
ASEM



UTAC



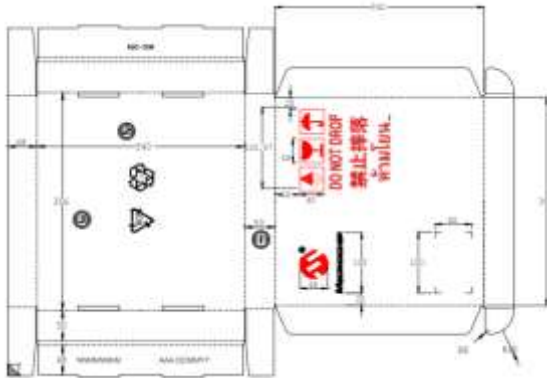
UNIC



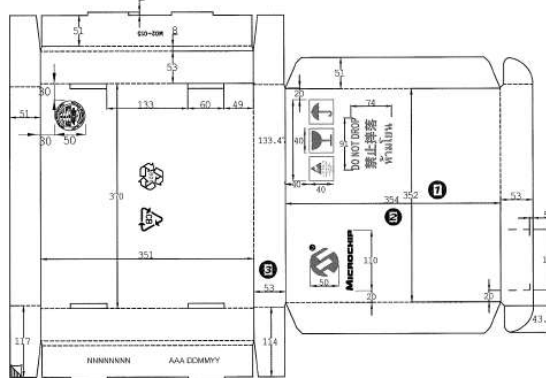
13" TnR Inner Carton PoE-IC

POST CHANGE

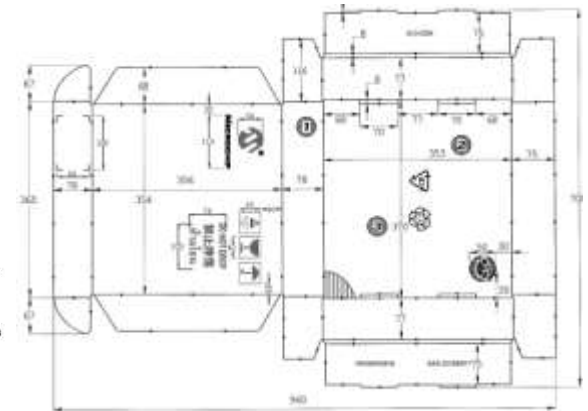
M02-009



M02-015 (Small)



M02-016 (Large)



13" TnR Outer Carton

PoE-IC

PRE CHANGE

Warehouse	Dimension W x L x H (cm)	Inner : Outer
XPO-HK	10x38 x38	1 : 1
	21x39x39	4 : 1
	33x39x39	7 : 1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer	
		M02-009 M02-015	M02-016
M01-044 (SM)	37.0x38.0x11.0	1 : 1	1 : 1
M01-045 (S4)	37.0x38.0x22.5	3 : 1	2 : 1
M01-046 (S5)	37.0x39.0x39.0	6 : 1	4 : 1
M01-047 (S3)	42.0x66.0x39.0	11 : 1	8 : 1

Label and Packing material change of PoE-MCU (Buy & Resale)



Part Aging

PoE-MCU (Buy & Resale)

PRE CHANGE

Microsemi may ship parts up to [24 months \(2 years\)](#). Parts older than 24 months (2 years) will be shipped only after prior approval from the customer.

POST CHANGE

Microchip may ship parts up to [48 months \(4 years\)](#). Parts older than 24 months (2 years) old will be recertified prior to shipment. The requirement will be applied for both automotive and commercial.

Reason: Material sets used to manufacture integrated circuits have shown no degradation in solderability, moisture sensitivity or reliability of products after 48 months.

For more information related to Microchip's part aging strategy, please visit the following link on our website: [Component Age Policy](#)

Combination Rule

PoE-MCU (Buy & Resale)

PRE CHANGE

- 1 Device.
- 2 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

POST CHANGE

- 1 Device.
- 3 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

Inner Label PoE-MCU (Buy & Resale)

PRE CHANGE

Same label as MBB label



POST CHANGE



No barcode for MPC
SD: No Programing D/C*
No PO
No barcode for Seal date
No barcode for COO



Inner Label

PoE-MCU (Buy & Resale)

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
(1P) PRODUCT	Yes	Yes	(1P) CATALOG P/N	Yes	Yes
(Z) SPECIAL	Yes	Yes	MPC	Yes	No
(1T) BATCH	Yes	Yes	(1T) LOT NO	Yes	Yes
(9D) DTE	Yes	Yes	D/C	Yes	No
			QTY per D/C	Yes	No
(Q) QTY	Yes	Yes	(Q) QTY	Yes	Yes
COO	Yes	Yes	MADE IN	Yes	No
(3S) CARTON ID	Yes	Yes	-	-	-
Pb Free	Yes	No	Pb Free Symbol	Yes	No
(10D) SD	Yes	Yes	-	-	-
PO	Yes	Yes	-	-	-
-	-	-	eCAT Symbol	Yes	No
-	-	-	(P) CUST. P/N	Yes	Yes

* SD: Programming date



Inner Label

PoE-MCU (Buy & Resale)

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
-	-	-	MSL	Yes	No
SEALED	Yes	Yes	SEAL DATE	Yes	No
-	-	-	TRACE CODE	Yes	No
-	-	-	ID#	Yes	Yes
Microsemi	Yes	No	Microchip logo	Yes	No
RoHS	Yes	No	RoHS Symbol	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	PKG	Yes	No
-	-	-	LEAD	Yes	No
-	-	-	WAFER QTY	Yes	No
-	-	-	WAFER REV	Yes	No
-	-	-	RECERT D/C	Yes	No
2 nd Lvl Intct	Yes	No	-	-	-

*2nd Lvl Intct : Manufacturer specification

Outer Label

PoE-MCU (Buy & Resale)

PRE CHANGE

Ship From: Ionice EMS Inc. Planta 5B Light Ind. And Science Park PH Philippines		Ship To: Max II Fg Microsemi PoE Ltd. Rod Hasharon 4501305 4501305 Israel	
Microsemi Part #: PD-9801G0AC			
Customer Part #:			
Customer PO#: 4500087477 		Order#: 419233 	
Box#: F376876A 	Item Qty: 5 	Weight: 14.5 	

Mic. MSShip

POST CHANGE

SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
B-HK-PHC-S2269812 	
Cust. P/N: 3139 227 01992 	
Catalog P/N: DSPIC33FJ128MC510T-I/PTC22 	Pb e0 RoHS 50
PO#: 55016400/2 	SO #: 472542/26
Qty: 200000 	
Hong Kong 10-21-2010 (mm-dd-yyyy)	
Carton 1 of 20 19.5 kgs	



Outer Label PoE-MCU (Buy & Resale)

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
SHIP FROM	Yes	No	-	-	-
SHIP TO	Yes	No	SHIP TO	Yes	No
Customer PO#	Yes	Yes	PO#	Yes	Yes
Customer Part#	Yes	Yes	Cust P/N	Yes	Yes
Microsemi Part#	Yes	Yes	Catalog P/N	Yes	Yes
Order#	Yes	Yes	SO#	Yes	Yes
	-	-	(mm-dd-yyyy)	Yes	No
BoX#	Yes	Yes	-	-	-
Item Qty	Yes	Yes	No of carton	Yes	No
-	-	-	eCAT Symbol	Yes	No
-	-	-	Pb Free Symbol	Yes	No
-	-	-	RoHS Symbol	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	Ship Number	Yes	Yes
-	-	-	2D barcode	No	Yes
Weight	-	-	Gross Weight	Yes	No

Moisture Sensitive Caution Label PoE-MCU (Buy & Resale)

PRE CHANGE

No Moisture Sensitive caution label for Moisture sensitive product

POST CHANGE

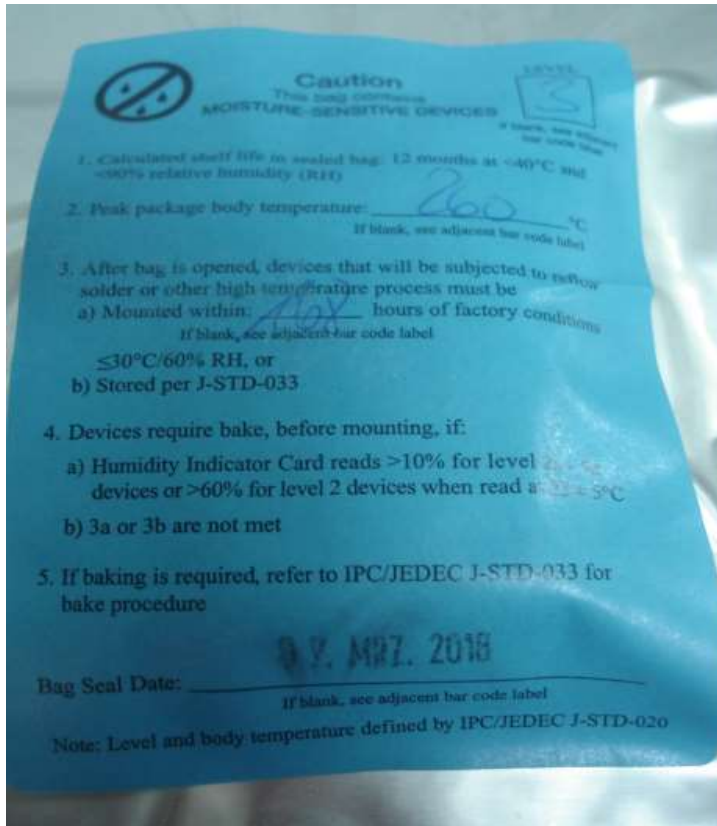


MSL Label on bag

PoE-MCU (Buy & Resale)

PRE CHANGE

Future



POST CHANGE



Change calculated shelf life to 24 months

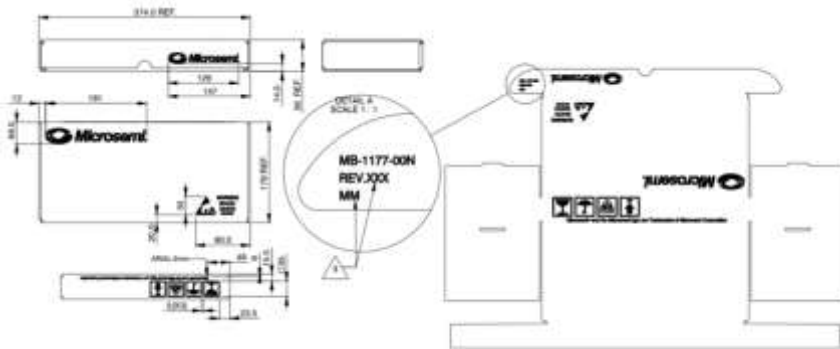
Tray Inner Carton

PoE-MCU (Buy & Resale)

PRE CHANGE

Ref. Dimension: W x L x H (cm)

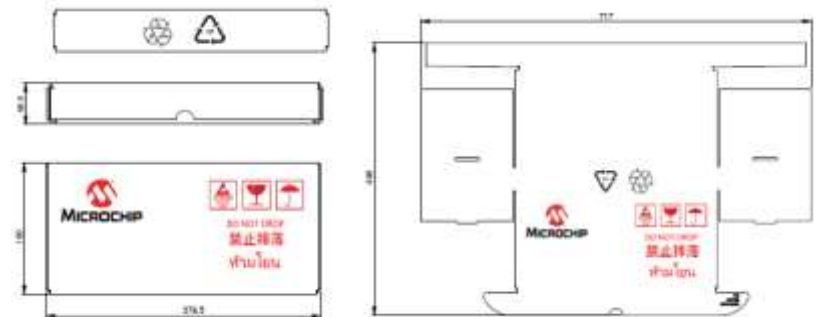
Width	Length	Height
17.9	37.14	5.6



POST CHANGE

Ref. Dimension: W x L x H (cm)

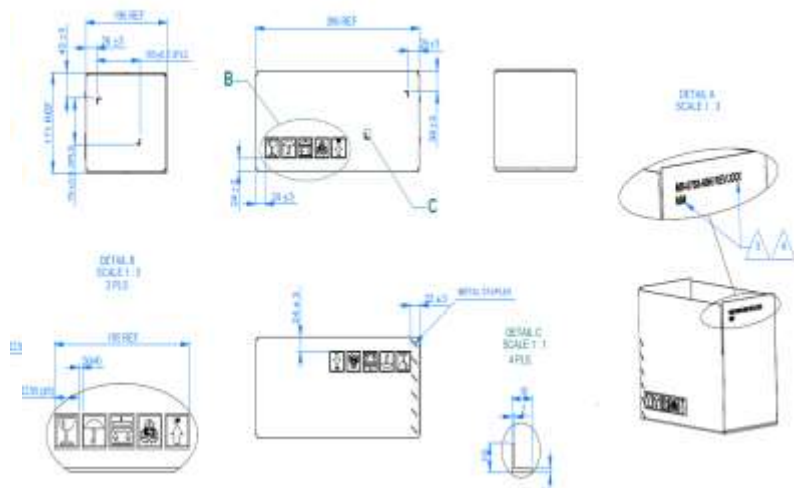
Width	Length	Height
16.2	37.1	5.0



Tray Outer Carton PoE-MCU (Buy & Resale)

PRE CHANGE

Dimension W x L x H (cm)	Inner : Outer
19.0x38.4x8.2	1:1
19.0x39.0x15.9	2:1
39.0x39.0x19.6	5:1
39.0x39.0x36.5	10:1



19.0x39.0x15.9

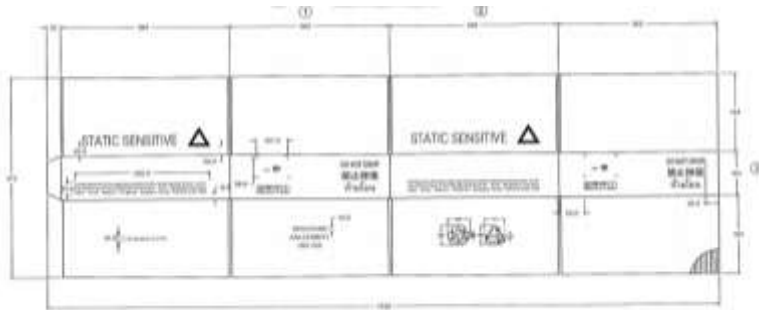
2:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer (Inner box for 1+1 tray stack)
M01-044	37.0x38.0x11.0	4:1
M01-045	37.0x38.0x22.5	8:1
M01-046	37.0x39.0x39.0	12:1

Tray Outer Carton PoE-MCU (Buy & Resale)

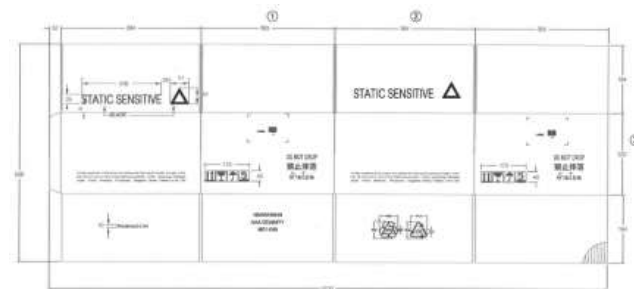
POST CHANGE



M01-044

37.0x38.0x11.0

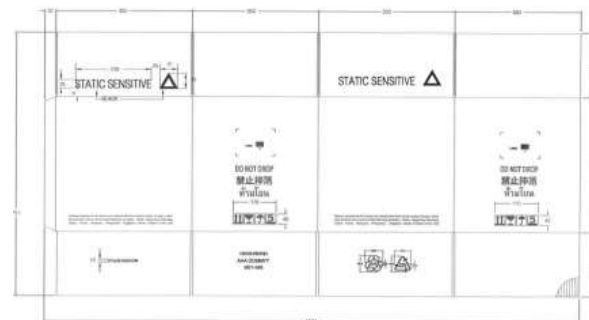
4:1



M01-045

37.0x38.0x22.5

8:1



M01-046

37.0x39.0x39.0

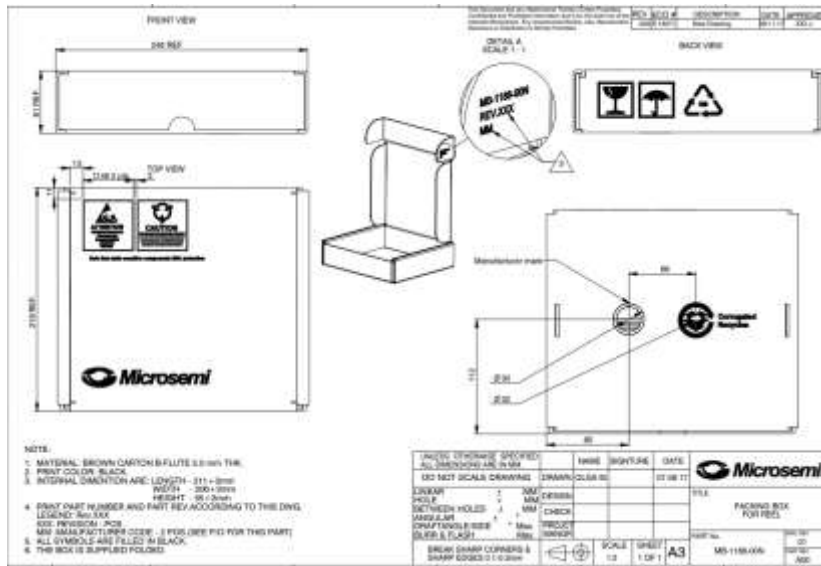
12:1

7" T&R Inner Carton PoE-MCU (Buy & Resale)

PRE CHANGE

Ref. Dimension: (W x L x H) cm

Width	Length	Height
24.6	21.9	6.1

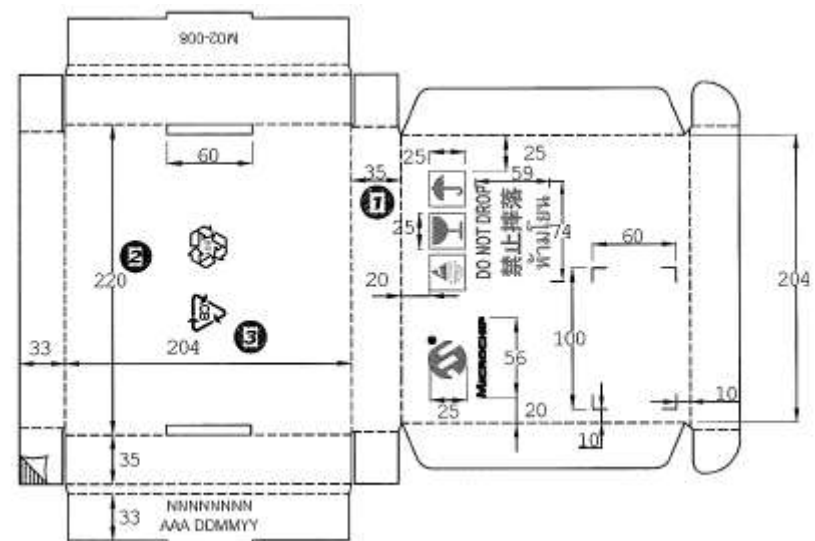


Microsemi Logo – Not must

POST CHANGE

Ref. Dimension: (W x L x H) cm

Width	Length	Height
22	20.4	3.3

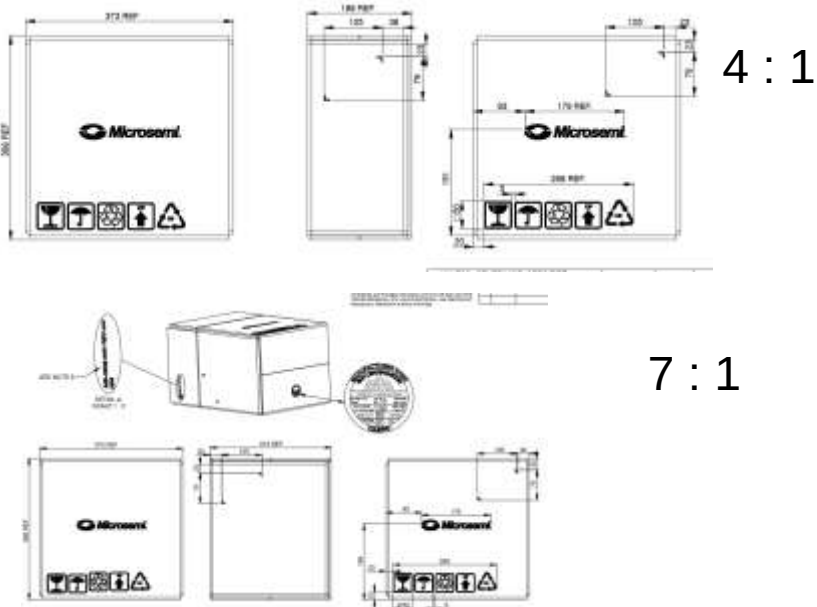


Drawing number: M02-008

7" T&R Outer Carton PoE-MCU (Buy & Resale)

PRE CHANGE

Dimension W x L x H (cm)	Inner : Outer
37.3x 36.8x 18.8	4 : 1
37.3x 36.8x 31.5	7 : 1

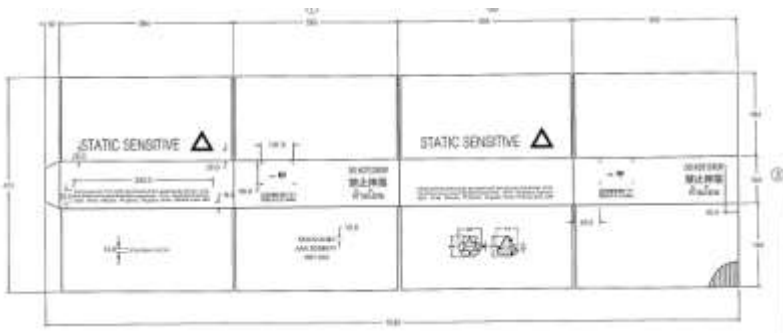


POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer
M01-044 (SM)	37.0x38.0x11.0	2 : 1
M01-112 (LO)	20.6x24.0x22.9	5 : 1
M01-038 (RT)	20x46x23	10 : 1

7" TnR Outer Carton PoE-MCU (Buy & Resale)

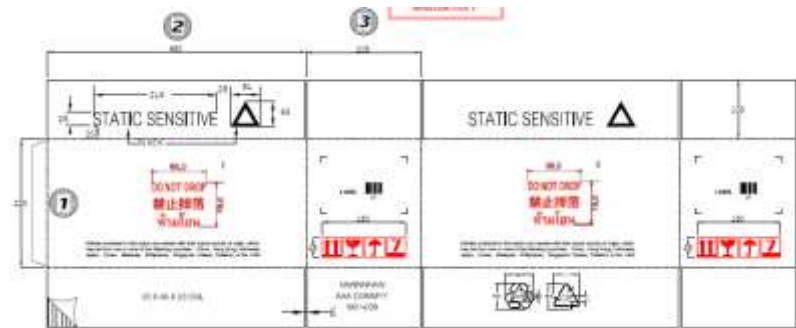
POST CHANGE



M01-044 (SM)

37.0x38.0x11.0

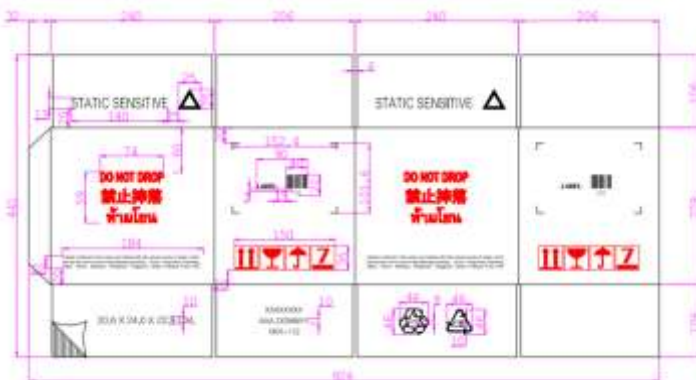
2 : 1



M01-038 (RT)

20x46x23

10 : 1



M01-112 (LO)

20.6x24.0x22.9

5 : 1

Label and Packing material change of PoE-IC (Buy and Re-Sale)

Bag/Inner Carton Label

PoE-IC Buy and Re-sale

PRE CHANGE

Microsemi®
 (1P)Product #:PD64004AH

 (Q) QTY: XXX

 (Z) SPECIAL: PD-0006G301

 (9D) DTE: YYWW

 MS Level: **3** Hours: 168
 Temp: 260C
 2nd Lvl Intct = e3
 Sealed: DDMMYY
 US Pat 6,909,943, US Pat 6,643,566,
 US Pat 7,006,815


 Assembled In AAAAAAA
 QS-0006-011Y A01

POST CHANGE

(1P) CATALOG P/N: ABCDEFGHIJKL-BB-CC-DDDD-EEEE-FF

 (1T) LOT NO.: 114601899000MTAI

 (P) CUST. P/N: ABCDEFGH IJKLMNO PQRSTUV REV A

 MPC: ABCDEFGHKLMO

 ID#:(001) TRACE CODE: 1407B1R,1408B1Q,1509A3R

 MSL: 3/260 C
 PKG: TFBGA
 LEAD: 48
 SEAL DATE: MMDDYY
 WAFER QTY: -
 WAFER REV: -
 RECERT D/C: -
 WAFER LOT: -
 (Q) QTY
 2500


D/C	QTY
1407	250
1408	1000
1509	1250

 MADE IN THAILAND



Bag/Inner carton Label

PoE-IC Buy and Re-sale

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Microsemi	Yes	No	Microchip logo	Yes	No
(1P) PRODUCT	Yes	Yes	(1P) CATALOG P/N	Yes	Yes
(Q) QTY	Yes	Yes	(Q) QTY	Yes	Yes
(Z) SPECIAL	Yes	Yes	MPC	Yes	No
(9D) DTE	Yes	Yes	D/C	Yes	No
MSL Level	Yes	No	MSL	Yes	No
Temp	Yes	No			
2 nd Lvl Intct	Yes	No	eCAT Symbol	Yes	No
Sealed	Yes	No	SEAL DATE	Yes	No
US Pat	Yes	No	-	-	-
RoHS Symbol	Yes	No	RoHS Symbol	Yes	No
Pb Free Symbol	Yes	No	Pb Free Symbol	Yes	No



Bag/Inner carton Label

PoE-IC Buy and Re-sale

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Assembled In	Yes	No	MADE IN	Yes	No
-	-	-	(1T) LOT NO	Yes	Yes
-	-	-	QTY per D/C	Yes	No
-	-	-	(P) CUST. P/N	Yes	Yes
-	-	-	TRACE CODE	Yes	No
-	-	-	ID#	Yes	Yes
-	-	-	China RoHS Symbol	Yes	No
-	-	-	PKG	Yes	No
-	-	-	LEAD	Yes	No
-	-	-	WAFER QTY	Yes	No
-	-	-	WAFER REV	Yes	No
-	-	-	RECERT D/C	Yes	No

Outer Carton Label

PoE-IC Buy and Re-sale

PRE CHANGE

Ship From: Ionice EMS Inc. Plants 58 Light Ind. And Science Park PH Philippines		Ship To: Max II Fg Microsemi PoE Ltd. Rod Hasharon 4501305 4501305 Israel	
Microsemi Part #: PD-9801G0AC			
Customer Part #:			
Customer PO#: 4500087477 		Order#: 419233 	
Box#: F376876A 	Item Qty: 5 	Weight: 14.5 	

100 MSShip

POST CHANGE

SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
B-HK-PHC-S2269812 	
Cust. P/N: 3139 227 01992 	
Catalog P/N: DSPIC33FJ128MC510T-I/PTC22 	
PO#: 55016400/2 	SO #: 472542/26
Qty: 200000 	
Hong Kong 10-21-2010 (mm-dd-yyyy)	
Carton 1 of 20 19.5 kgs	



Outer Carton Label PoE-IC Buy and Re-sale

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
SHIP FROM	Yes	No	-	-	-
SHIP TO	Yes	No	SHIP TO	Yes	No
Customer PO#	Yes	Yes	PO#	Yes	Yes
Customer Part#	Yes	Yes	Cust P/N	Yes	Yes
Microsemi Part#	Yes	Yes	Catalog P/N	Yes	Yes
Order#	Yes	Yes	SO#	Yes	Yes
	-	-	(mm-dd-yyyy)	Yes	No
BoX#	Yes	Yes	-	-	-
Item Qty	Yes	Yes	No of carton	Yes	No
-	-	-	eCAT Symbol	Yes	No
-	-	-	Pb Free Symbol	Yes	No
-	-	-	RoHS Symbol	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	Ship Number	Yes	Yes
-	-	-	2D barcode	No	Yes
Weight	-	-	Gross Weight	Yes	No

Moisture Sensitive Caution Label PoE-IC Buy and Re-sale

PRE CHANGE

No Moisture Sensitive caution label for Moisture sensitive product

POST CHANGE



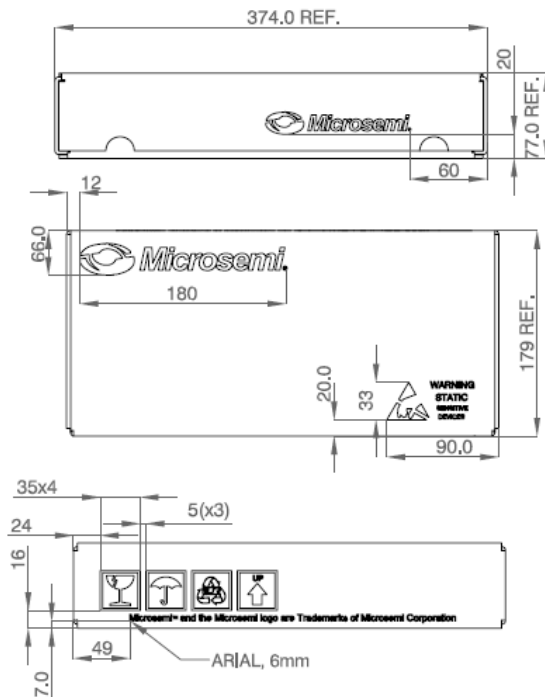
Tray Inner Carton

PoE-IC (Buy and Re-sale)

PRE CHANGE

Ref. Dimension: W x L x H (cm)

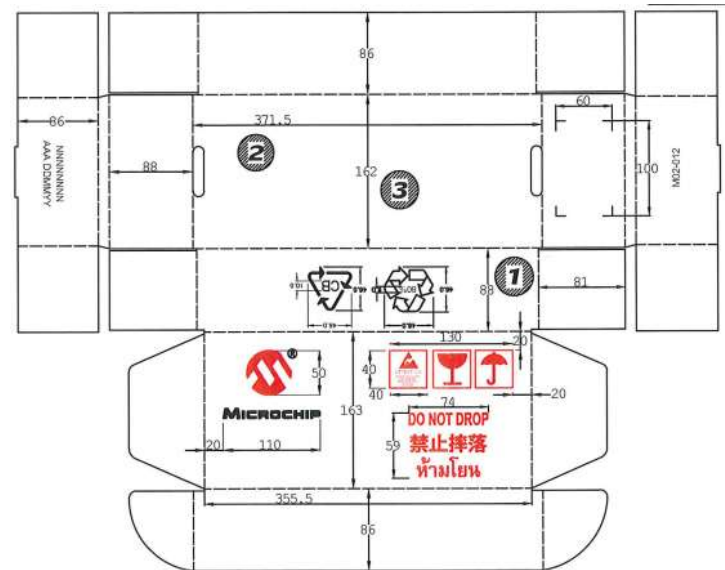
Width	Length	Height
17.9	37.14	7.7



POST CHANGE

Ref. Dimension: W x L x H (cm)

Width	Length	Height
16.2	37.1	8.8

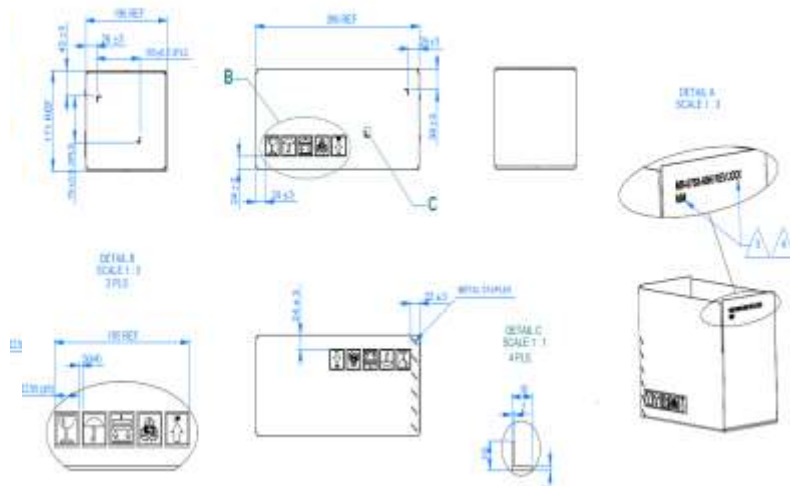


Drawing number: M02-012

Tray Outer Carton PoE-IC (Buy & Resale)

PRE CHANGE

Dimension W x L x H (cm)	Inner : Outer
19.0x38.4x8.2	1:1
19.0x39.0x15.9	2:1
39.0x39.0x19.6	5:1
39.0x39.0x36.5	10:1



19.0x39.0x15.9

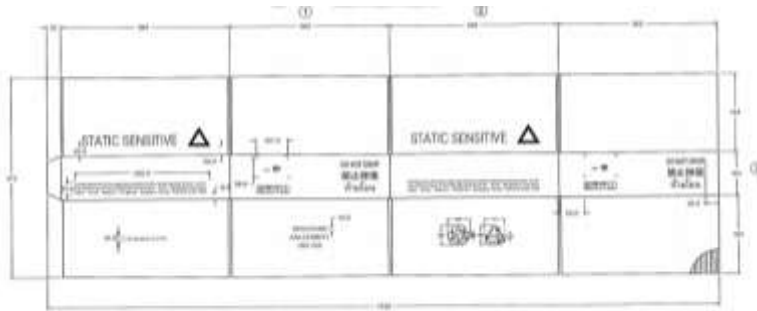
2:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer
M01-044	37.0x38.0x11.0	2:1
M01-045	37.0x38.0x22.5	4:1
M01-046	37.0x39.0x39.0	8:1

Tray Outer Carton PoE-IC (Buy & Resale)

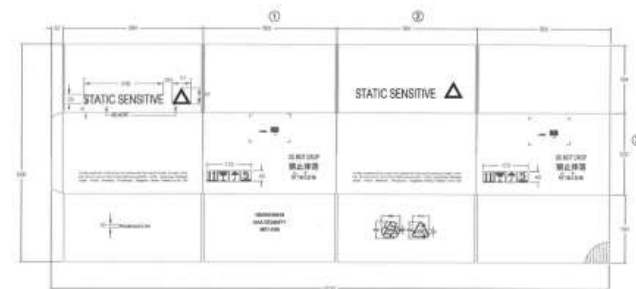
POST CHANGE



M01-044

37.0x38.0x11.0

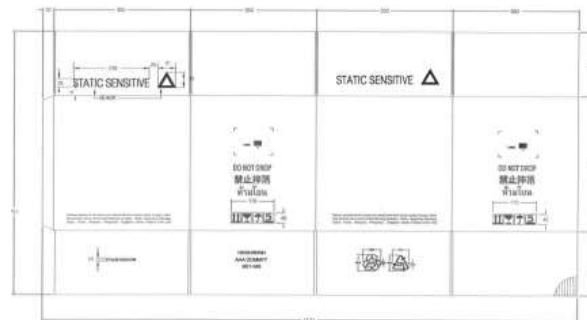
2:1



M01-045

37.0x38.0x22.5

4:1



M01-046

37.0x39.0x39.0

8:1

Label and Packing material change of PM (Buy and Re-Sale)

Reel/Bag/Inner Carton Label

PM Buy and Re-sale

PRE CHANGE

Microsemi
ANALOG MIXED SIGNAL GROUP
ASSYLOCATION: JYCD, CHINA

PB Free

DEVICE: NX7101IDMTR

LOT NO: MJ1442A900

QTY BOX: 2500 DATE CODE: 844A

FINAL TEST: YES BOX NO: OF

QA: 

POST CHANGE

(1P) CATALOG P/N: ABCDEFGHIJKL-BB-CC-DDDD-EEEE-FF 



(1T) LOT NO.: 114601899000MTAI 

 MSL: 3/260 C
PKG: TFBGA
LEAD: 48

(P) CUST. P/N: ABCDEFGH IJKLMNO PQRSTUV REV A 

QTY 2500

MPC: ABCDEFGHKLMO

 SEAL DATE: MMDDYY
WAFER QTY: -
WAFER REV: -
RECERT D/C: -
WAFER LOT: -

D/C	QTY
1407	250
1408	1000
1509	1250

ID#:(001) TRACE CODE: 1407B1R, 1408B1Q, 1509A3R 

MADE IN THAILAND



Bag/Inner carton Label

PM Buy and Re-sale

MSCC Label			MCHP Standard Label		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Pb-Free	Yes	No	Pb Free Symbol	Yes	No
Microsemi logo	Yes	No	Microchip logo	Yes	No
Assy Location	Yes	No	-	-	-
DEVICE	Yes	No	(1P) CATALOG P/N	Yes	Yes
LOT No	Yes	No	(1T) LOT NO	Yes	Yes
QTY BOX	Yes	No	(Q) QTY	Yes	Yes
DATE CODE	Yes	No	D/C	Yes	No
FINAL TEST	Yes	No	-	-	-
BOX NO	Yes	No	ID#	Yes	Yes
QA	Yes	No	-	-	-
-	-	-	MPC	Yes	No
-	-	-	RoHS Symbol	Yes	No

Bag/Inner carton Label

PM Buy and Re-sale

MSCC Label			MCHP Standard Label		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
-	-	-	(QTY)	Yes	No
-	-	-	MADE IN	Yes	No
-	-	-	eCAT Symbol	Yes	No
-	-	-	(P) CUST. P/N	Yes	Yes
-	-	-	MSL	Yes	No
-	-	-	SEAL DATE	Yes	No
-	-	-	TRACE CODE	Yes	No
-	-	-	China RoHS Symbol	Yes	No
-	-	-	PKG	Yes	No
-	-	-	LEAD	Yes	No
-	-	-	WAFER QTY	Yes	No
-	-	-	WAFER REV	Yes	No
-	-	-	RECERT D/C	Yes	No

Outer Carton Label

PM Buy and Re-sale

PRE CHANGE

 Microsemi ANALOG MIXED SIGNAL GROUP	
Ship From : Microsemi c/o JSI Logistics (HK) LTD 18/F, Watson Centre 16-22 Kung Yip Street Kwai Chung, NT, HK	
Ship To : ARROW CENTRAL EUROPE GMBH C/O ARROW ELECTRONICS TRADEPORT WEST: 9461 MARCO POLOWEG 11 VENLO 5928PC WAREHOUSE VAT NO: NL821375118B01 VENLO NETHERLANDS	
PO#	
<u>Part Number :</u>	<u>Quantity :</u>
<u>Shipping ID :</u>	<u>COO :</u>
<u>Gross Weight :</u>	<u>Box Count :</u>
of	

POST CHANGE

SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
B-HK-PHC-S2269812 	
Cust. P/N: 3139 227 01992 	
Catalog P/N: DSPIC33FJ128MC510T-I/PTC22 	
PO#: 55016400/2 	SO #: 472542/26 
Qty: 200000 	
	Hong Kong 10-21-2010 (mm-dd-yyyy)
Carton 1 of 20 19.5 kgs	

Outer Carton Label

PM Buy and Re-sale

MSCC Outer Carton Label			MCHP Shipping Box Label		
Field Name / Symbol	Human Readable	Barcode	Field Name / Symbol	Human Readable	Barcode
Ship From	Yes	No	-	-	-
Ship To	Yes	No	SHIP TO	Yes	No
PO#	Yes	No	PO#	Yes	Yes
Part Number	Yes	No	Catalog P/N	Yes	Yes
Quantity	Yes	No	QTY	Yes	Yes
Shipping ID	Yes	No	Ship Number	Yes	Yes
COO	Yes	No	-	-	-
Gross Weight	Yes	No	Gross Weight	Yes	No
Box Count	Yes	No	No of carton	Yes	No
			Cust P/N	Yes	Yes
			SO#	Yes	Yes
			(mm-dd-yyyy)	Yes	No
			eCAT Symbol	Yes	No
			Pb Free Symbol	Yes	No
			RoHS Symbol	Yes	No
			China RoHS Symbol	Yes	No
			2D barcode	No	Yes

Moisture Sensitivity Identification Label PM Buy and Re-sale

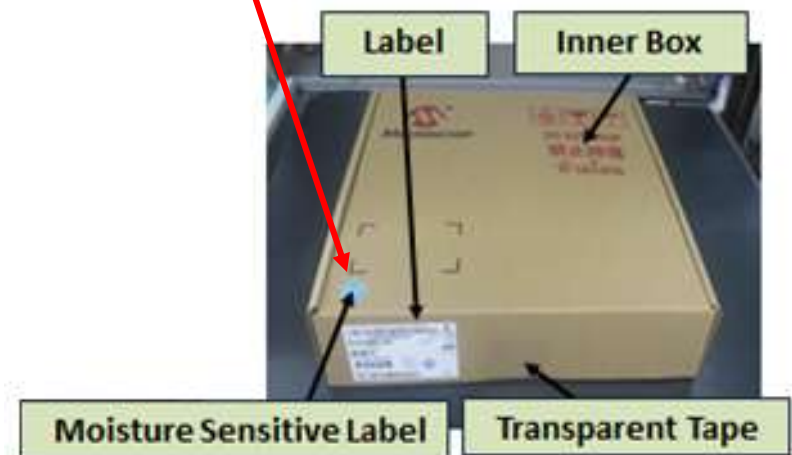
PRE CHANGE

No Moisture Sensitive caution label for Moisture sensitive product

POST CHANGE



Add MSID label to affix on inner carton for moisture sensitive device



13" TnR Inner Carton

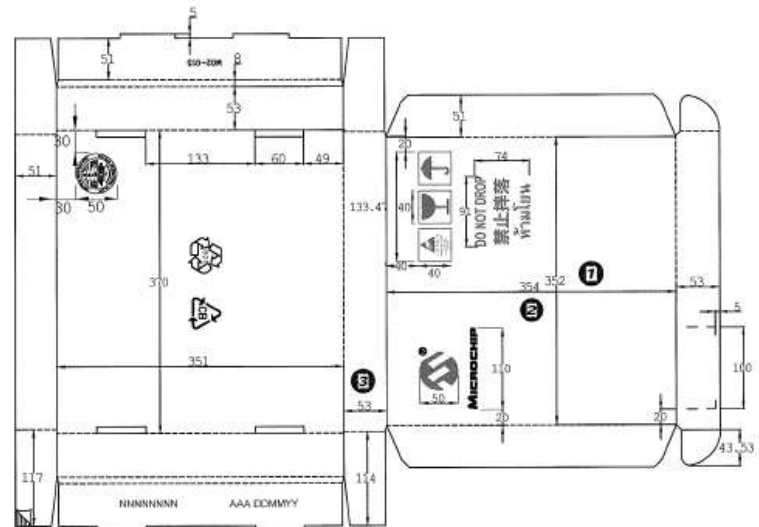
PM Buy and Re-sale

PRE CHANGE

BU	Dimension W x L x H (cm)
PM	37.0x34.5x5.5

POST CHANGE

Drawing number	Dimension W x L x H (cm)
M02-015 (Small)	37x35.1x5.3



13" TnR Outer Carton PM Buy and Re-sale

PRE CHANGE

Warehouse	Dimension W x L x H (cm)	Inner : Outer
JSI	44.0x39.0x36.5	8:1

POST CHANGE

Drawing No	Dimension W x L x H (cm)	Inner : Outer	
		M02-009 M02-015	M02-016
M01-044 (SM)	37.0x38.0x11.0	1 : 1	1 : 1
M01-045 (S4)	37.0x38.0x22.5	3 : 1	2 : 1
M01-046 (S5)	37.0x39.0x39.0	6 : 1	4 : 1
M01-047 (S3)	42.0x66.0x39.0	11 : 1	8 : 1

Label and Packing material change of CBU-Israel

Part Aging

PRE CHANGE

Microsemi may ship parts up to [24 months \(2 years\)](#). Parts older than 24 months (2 years) will be shipped only after prior approval from

POST CHANGE

Microchip may ship parts up to [48 months \(4 years\)](#). Parts older than 24 months (2 years) old will be recertified prior to shipment. The requirement will be applied for both automotive and commercial.

Reason: Material sets used to manufacture integrated circuits have shown no degradation in solderability, moisture sensitivity or reliability of products after 48 months.

For more information related to Microchip's part aging strategy, please visit the following link on our website: [Component Age Policy](#)

Combination Rule

PRE CHANGE

- 1 Device.
- 2 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

POST CHANGE

- 1 Device.
- 3 Date codes.**
- No limit to number of production lots follow date code combination rule.
- 1 Assembly Site.
- 1 Test Site.
- 1 Wire Material.
- No limit for Die Revision, Die ID, Fab Revision, Different T/C, and test flow.

Bag Label & Inner Label CBU-Israel

PRE CHANGE

MSL: 4 ✓



eCAT: e1 ✓

2nd Level Interconnect

Attention: Observe Precaution for Handling ESD Devices Bag Label

(K) PURCHASE ORDER: 16241341091

(P) CUSTOMER PROD ID:

MANUFACTURER: MICROSEMI

(V) SUPPLIER CODE:

SO: 1061269

DN: 80109418

✓ (1P) SUPPLIER PROD ID: VSC8244XH8

✓ (1T) BATCH: T3378692

MAX TEMP: 260

✓ (16D) SEAL DATE: 06/07/2016

✓ (Q) QTY: 84 EA

✓ (9D) DATE CODE: 1335

(4L) COO: TW (Taiwan)

✓ ASSEMBLY DATE CODE: 1335BQCFC

INNER ID: 1000509272

POST CHANGE

✓ (1P) CATALOG P/N: ABCDEFGHIJKL-BB-CC-DDDD-EEEE-FF

✓ (1T) LOT NO.: 114601899000MTAI

✓ (P) CUST. P/N: ABCDEFGH IJKLMNO PQRSTU REV A

✓ MPC: ABCDEFGHJKLMNO

✓ SEAL DATE: MMDDYY

ID# (001) TRACE CODE: 1407B1R, 1408B1Q, 1509A3R

✓ MADE IN THAILAND

Remark:

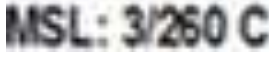
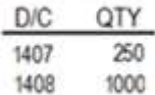
✓ : Match information between MSCC&MCHP

□ : Mismatch information and require PCN

□ : Mismatch information but doesn't require PCN due to internal use/not customer requirement.

Bag Label & Inner Label

CBU-Israel

Field Name / Symbol	PRE CHANGE	POST CHANGE	
MAX TEMP			Remove Barcode
SEAL DATE			Remove barcode And change year to "YY"
QTY			Remove "EA"
DATE CODE			Remove Barcode
COO			Remove Barcode and country code
ASSEMBLY DATE CODE			Remove Barcode of Assembly Date * MCHP Barcode represent for Assembly lot no.+Box no.

Bag Label & Inner Label

CBU-Israel

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
MSL	MSLx	No	MSL	N/Peak temp	No
Pb Free Symbol	Symbol	No	Pb Free Symbol	Symbol	No
eCAT	eN	No	eCAT Symbol	Symbol	No
MSCC Address	Word	-	-	-	-
PURCHASE ODER	Number	Yes	-	-	-
CUSTOMER PROD ID	XXXXXXXXXX	Yes	CUST. P/N	Customer part no.	Yes
MANUFACTURER	MICRO SEMI	Yes	-	-	-
SUPPLIER CODE	No information	Yes	-	-	-
SO	Sale Order	Yes	-	-	-
DN	Delivery Number	Yes	-	-	-



Bag Label & Inner Label

CBU-Israel

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
SUPPLIER PROD ID	Product ID	Yes	CATALOG P/N	CPN	Yes
BATCH	Batch No	Yes	LOT NO	BAAN Lot No	Yes
MAX TEMP	NNN	Yes	MSL	N/Peak temp	No
SEAL DATE	MM/DD/YYYY	Yes	SEAL DATE	MM/DD/YY	No
QTY	NNNNN EA	Yes	(Q) QTY	NNNNN	Yes
DATE CODE	YYNN	Yes	D/C	YYNN	No
COO	XX (Country code) + (Country Name)	Yes	MADE IN	Country Name	No
ASSEMBLY DATE CODE	XXXXXXXXXX	Yes	TRACE CODE	YYWWNNN	No
INNER ID	Inner ID	Yes	ID#	(NNN)	Yes
-	-	-	Microchip logo	Logo	-

Bag Label & Inner Label

CBU-Israel

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
-	-	-	RoHS Symbol	Symbol	-
-	-	-	China RoHS Symbol	Symbol	-
-	-	-	PKG	Package Name	No
-	-	-	LEAD	Lead count	No
-	-	-	D/C QTY	NNNN	No
-	-	-	WAFER QTY	Wafer quantity	No
-	-	-	WAFER REV	Wafer revision	No
-	-	-	RECERT D/C	Recertification D/C	No
-	-	-	WAFER LOT	Wafer lot ID	No

Outer Label CBU-Israel

PRE CHANGE

Outer Carton Label

✓ **ARROW Central Europe GmbH**
 Tradeport West: 9461
 Marco Polo Weg 11
 Limburg Netherlands 5928 LE Venlo

(3S) PKG ID: 062169580109418



✓ (14K) Transit ID: 16241341091



MANUFACTURER: MICROSEMI



(V) SUPPLIER CODE:

DN: 80109418



✓ (P) CUSTOMER PROD ID:



✓ (Q) TOTAL BOX QTY: 84



✓ **PACKAGE COUNT:**
1 OF 1

✓ **PACKAGE WEIGHT:**
1 KG

OUTER ID: 340591



Lot No/Date Code Information Label

Outer ID : 340591



LOT NO / DATE CODE INFORMATION

(1P) Supplier Prod ID: VSC8244XHG



(1T) Batch: T3378692



(11D) ASSEMBLY DATE CODE: 1335BQCFC



(4L) COO: TW Taiwan



(9D) DATE CODE: 1335



(Q) Qty: 84



Box Content Label

Outer ID : 340591



Box Content Label

Customer:

ARROW Central Europe GmbH ✓

Box Details:

Gross Weight: 0.9 Kg ✓

Net Weight: 0.6 Kg

Measures: 38.6 X 18.8 X 18.8 cm

(L x W x H)

Order

Part No / Inner ID

Qty

SO-1061269

VSC8244XHG

1000509272

84

Remark: ✓ : Match information between MSCC&MCHP

□ : Mismatch information and require PCN

□ : Mismatch information but doesn't require PCN
 due to internal use/not customer requirement.

Outer Label CBU-Israel

POST CHANGE

SHIP TO: PHILIPS CONSUMER ELECTRONICS WILSON LOGISTIC CT, 6/F PHILIPS IND BLDG., 24-28 KUNG KUNG YIP ST, KWAICHUNG HONG KONG	
B-HK-PHC-S2269812 	
Cust. P/N: 3139 227 01992 	
Catalog P/N: DSPIC33FJ128MC510T-I/PTC22 	
PO#: 55016400/2 	SO #: 472542/26 
	Hong Kong 10-21-2010 (mm-dd-yyyy)
Qty: 200000 	
Carton 1 of 20 19.5 kgs	

Remark:

-  : Match information between MSCC&MCHP
- : Mismatch information and require PCN
- : Mismatch information but doesn't require PCN due to internal use/not customer requirement.

Outer Label

CBU-Israel

Field Name / Symbol	PRE CHANGE	POST CHANGE
PKG ID (Manufacture + DN)	(3S) PKG ID: 062169580109418 	Remove
Supplier ID	(V) SUPPLIER CODE:	Remove
Batch	(1T) Batch: T3378692 	Remove
ASSEMBLY DATE CODE	(11D) ASSEMBLY DATE CODE: 1335BQCFC 	Remove
COO	(4L) COO: TW Taiwan 	Remove
DATE CODE	(9D) DATE CODE: 1335 	Remove
Box Details: - Net Weight - Measure (L x W x H)	Net Weight: 0.6 Kg Measures: 38.6 X 18.8 X 18.8 cm (L x W x H)	Remove

Outer Label CBU-Israel

PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
Ship to Address	Address	No	SHIP TO	Address	No
PKG ID (Manufacture + DN)	No information	Yes	-	-	-
Transit ID	No information	Yes	PO No.	Purchase order	Yes
MANUFACTURER	MICRO SEMI	Yes	-	-	-
SUPPLIER CODE	No information	Yes	-	-	-
DN	No information	Yes	-	-	-
CUSTOMER PROD ID	No information	Yes	Cust P/N	Customer Part Number	Yes

Outer Label CBU-Israel

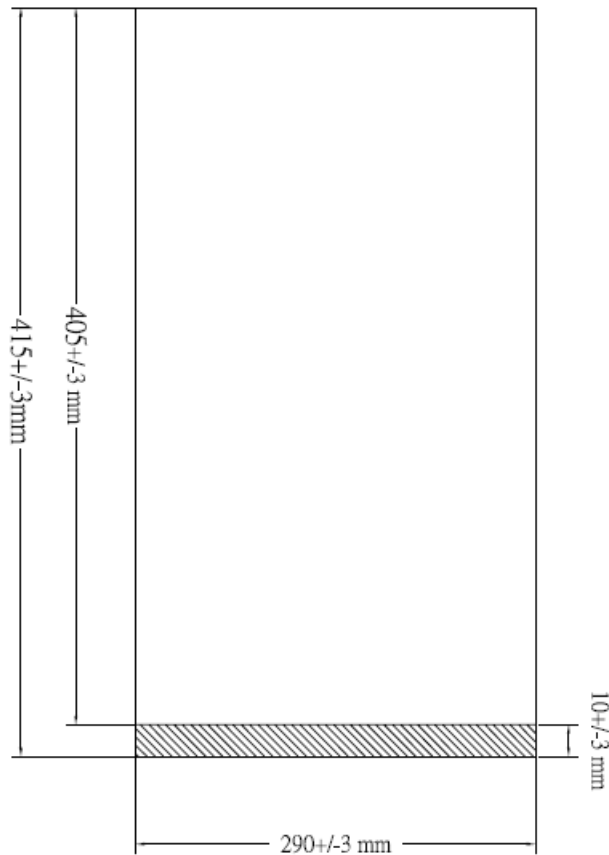
PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
TOTAL BOX QTY	Qty in the Box	Yes	QTY	-	-
PACKAGE WEIGHT	X KG	No		XX.X kgs	No
Outer ID	Outer No.	Yes	-	-	-
Supplier Prod ID	Product ID	Yes	Catalog P/N	CPN	Yes
Batch	Batch no.	Yes	-	-	-
ASSEMBLY DATE CODE	XXXXXXXXXX	Yes	-	-	-
COO	XX (Country code) + (Country Name)	Yes	-	-	-
DATE CODE	XXXX	Yes	-	-	-
QTY	NNNNN	Yes	Qty	NNNNN	Yes

Outer Label CBU-Israel

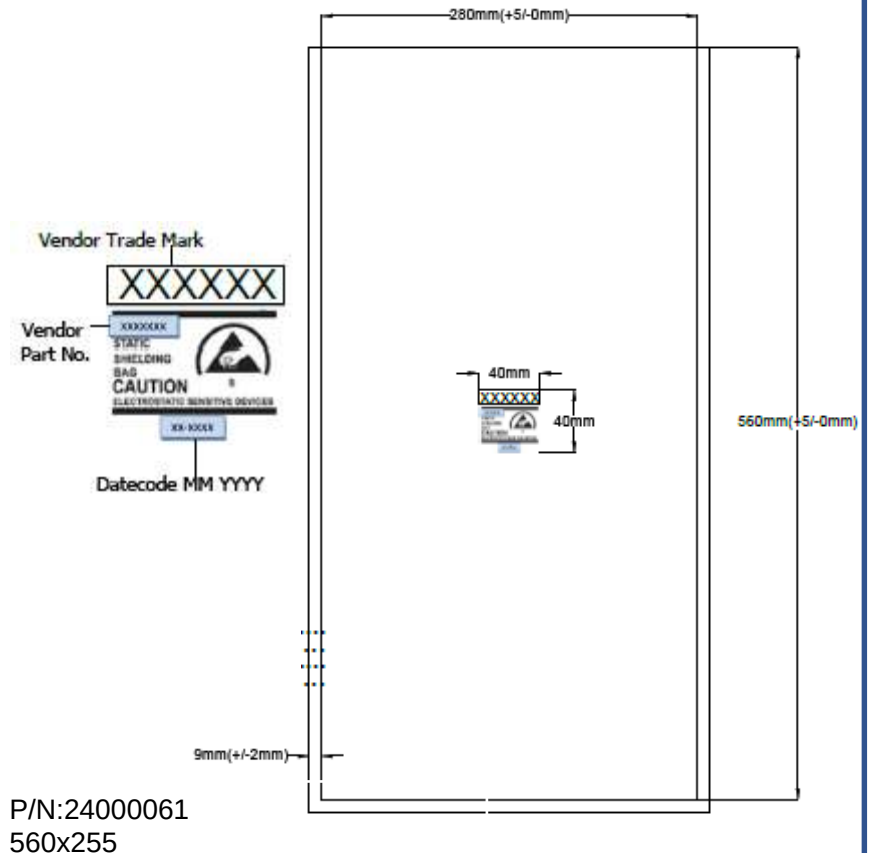
PRE CHANGE			POST CHANGE		
Field Name / Symbol	Data format	Barcode	Field Name / Symbol	Data format	Barcode
Outer ID	Outer No.	Yes	-	-	-
Customer	Customer Name	No		-	-
Box Details: - Gross Weight - Net Weight - Measure (L x W x H)		No	* Have only Gross Weight	-	-
SO	Sale Order	No	SO#	?	Yes
Part No	Part no.	No	Catalog P/N	CPN	Yes
Inner ID	Inner ID	No	-	-	-
Qty	NNNNN	No	Qty	NNNNN	Yes

Static Shield Bag (SSB) for Tray CBU-Israel

PRE CHANGE

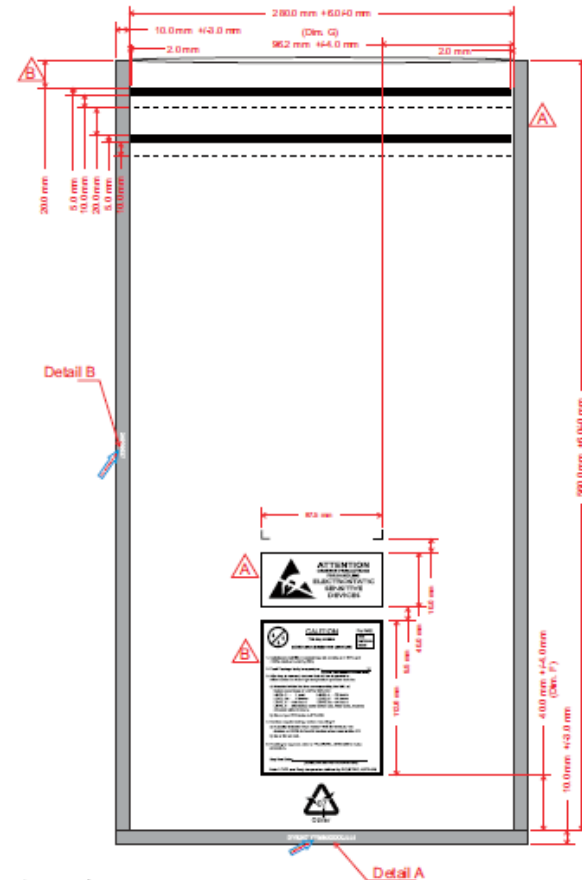


POST CHANGE





POST CHANGE



MSL Label on bag for Tray CBU-Israel

PRE CHANGE



**Moisture
Sensitivity
Level**



WARNING - THESE DEVICES ARE MOISTURE SENSITIVE

Shelf life in sealed bag is 24 months at <40°C and <90% Relative Humidity (RH).

After bag is opened, devices that will be subjected to reflow solder or other high temperature processes must be:

- a) stored per J-STD-033 or
- b) be mounted under the following conditions:

If MSL 1 no special conditions if stored at factory conditions <30°C / <85%RH

If MSL 2 mount devices within 1 year at factory conditions <30°C / <60%RH

If MSL 3 mount devices within 168 hours at factory conditions <30°C / 60%RH

If MSL 4 mount devices within 72 hours at factory conditions <30°C / 60%RH

If MSL 5 mount devices within 48 hours at factory conditions <30°C / 60%RH

If MSL 5a mount devices within 24 hours at factory conditions <30°C / 60%RH

If units are not to be used within the recommended timeframe, resealed or store <10%RH

Devices require bake prior to mount if:

- humidity indicator card reads >10% for level 2a-5a devices or >60% for level 2 devices when read at 23°C (+/-5°C) or
- a) and b) are not met,

Refer to IPC/JEDEC J-STD-033 for bake procedure

Recommended reflow conditions, level and peak package body temperature are defined by IPC/JEDEC J-STD-020.

POST CHANGE



Humidity Indicator Cards (HIC) CBU-Israel

PRE CHANGE



2 HIC Types

- Cobalt Dichloride free (Non –CoCl₂ type)
- Cobalt free

POST CHANGE



- Cobalt free only

Desiccant CBU-Israel

PRE CHANGE



Compliant with Mil-D-3464, TYPE II

Packing Media	No. of desiccant & bag
Tray	2 unit X 1 pouch

POST CHANGE



Compliant with Mil-D-3464, TYPE I and II

Packing Media	No. of desiccant & bag
Tray	2 units (1 unit X 2 pouches)

Moisture Sensitive Caution Label CBU-Israel

PRE CHANGE



POST CHANGE



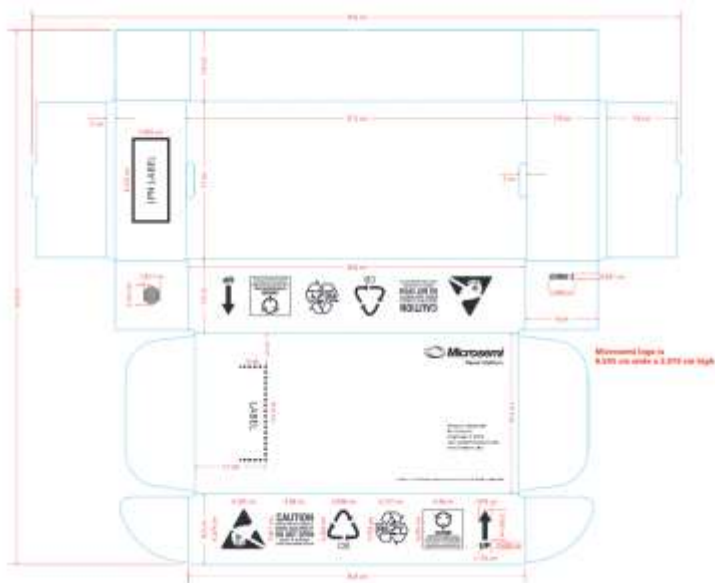
Tray Inner Carton

CBU-Israel

PRE CHANGE

Ref. Dimension: W x L x H (cm)

Width	Length	Height
17.5	37.5	8.0



Drawing number: Microsemi_2_0_Inner_69x57cm_April_2016.pdf.

POST CHANGE

Ref. Dimension: W x L x H (cm)

Width	Length	Height
16.2	37.1	8.8



Drawing number: M02-012



Ref. Dimension: (W x L x H) cm

[illegible]

Ref. Dimension: (W x L x H) cm

[illegible]

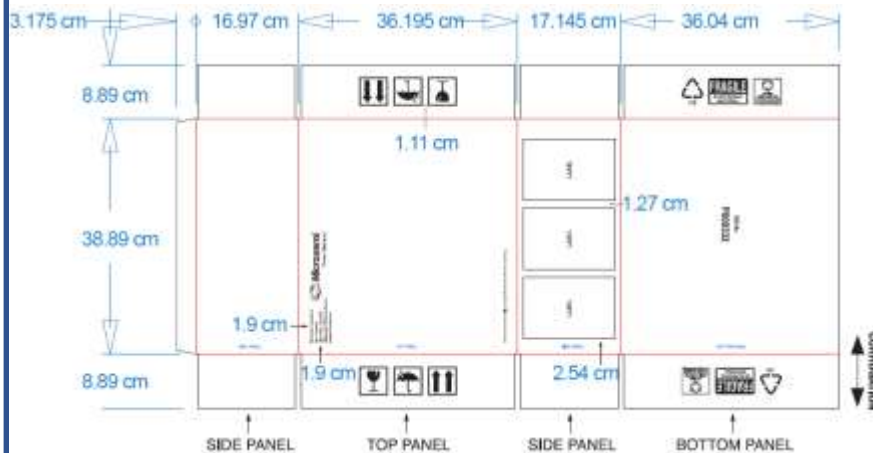
113

Tray Outer Carton (4 Inner Carton) CBU-Israel

PRE CHANGE

Ref. Dimension: (W x L x H) cm

Width	Length	Height
36.5	40	18

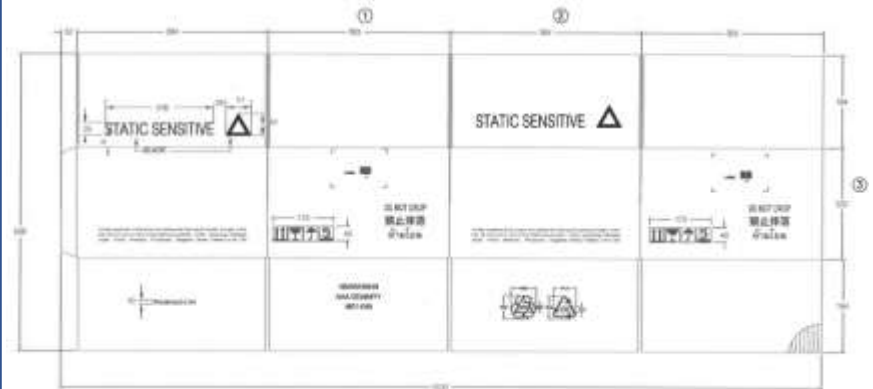


Drawing number: Microsemi_P000332_METRIC.pdf.

POST CHANGE

Ref. Dimension: (W x L x H) cm

Width	Length	Height
37.0	38.0	22.5



Drawing number: M01-045



Ref. Dimension: (W x L x H) cm

Technical drawing of a four-panel display layout. The layout consists of four panels arranged in a 2x2 grid. The overall dimensions are 38.89 cm in height and 127 cm in width. The panels are labeled as follows:

- Top Panel:** Dimensions 36.04 cm (width) and 25.083 cm (height). It contains three icons: a recycling symbol, a person icon, and a warning symbol.
- Bottom Panel:** Dimensions 36.195 cm (width) and 24.92 cm (height). It contains three icons: a recycling symbol, a person icon, and a warning symbol.
- Side Panel (Left):** Dimensions 3.81 cm (width) and 12.86 cm (height). It contains a recycling symbol and a person icon.
- Side Panel (Right):** Dimensions 1.9 cm (width) and 1.11 cm (height). It contains a recycling symbol, a person icon, and a warning symbol.

The drawing also shows a central area with dimensions 12.86 cm (width) and 38.89 cm (height). The overall dimensions are 38.89 cm (height) and 127 cm (width). The drawing includes a scale bar and a north arrow.

Drawing number: Microsemi P000333 METRIC.pdf.

Ref. Dimension: (W x L x H) cm

[illegible]

Drawing number: M01-046

END

Affected Catalog Part Number (CPN)

PCN_GBNG-02AHWK946
CATALOG_PART_NBR
PAS6413A-F3GC
PD69200C-017201
PD70201ILQ-TR
PD81000-027301
PD70100ILD-TR
PD70101ILQ-TR
PD69108FILQ-TR
PD69104ILQ-TR
PD69100C-024801-TR
PD69100C-023901-TR
PD69104B1FILQ-TR
WP441W6A1-500-NFEI
PD69108ILQ-TR
PD69101ILQ-TR
PD69100C-026301
PD70200ILD-TR
PD69104B1ILQ-TR
WP32C0W5NHEI-450B2
WP3061W8NHEI-250B1
WP3232M5NELI-320B2
PD69100R-026515
PD69200C-018813
PD69200C-016721-TR
PD39100C-026381
PD69200C-021413-TR
PD69200C-015101-TR
PD69100R-026303
PD69200R-017203
PD39100C-025891
PD39100R-0113
PD69200C-017213
PD39100R-011320
PD69100C-026392
PD69100C-026380
PD69208T4ILQ-TR-LE
PD69200C-019027
PD69200R-034300
PD69100C-024101
WP441R6A1-500-EFEI
PD69000AC-0415
PD69000DC-0100
PD69012
PD69100C-023901
PD69000AC-0411
PD69000AC-0301

Affected Catalog Part Number (CPN)

PD69200C-012101
PD69100C-026301-TR
PD69000AC-0414
PD69100R-0233
PD69100R-0122
PD69100R-023950
PD69000AC-0413
PD69000DC-0415
PD69000DC-0303
PD69008
PD69000DC-0416
PD69000DC-0211
PD69100R-023903
PD81000-027302
PD69100R-023603
PAS5211A-F3EI
WP34C2R4EFEI-400B2
PD69100C-023701
PD69200R-012103
PD69100C-0233
PD69000DC-0300
PD70211ILQ-TR
PD69000DC-0202
PD69100C-023204
PD69100C-024801
PD69200R-021120-TR
PD69000DC-0417
PD69100R-026504
PD69000AC-0211
WP3232M6NFEI-320B2
PD69100R-025503
WP32C2M6NELI-450B2
PD69000AC-0404
PD69000DC-0301
PAS7400B-NGI
PD69200C-018818
PD69000DC-0404
PD69000AC-0412
PD69000AC-0202
WIN840W6NHEI-300A1
PAS6512B-F3GI
PD81101ILQ-TR-LE
PD69100C-026001
PD69200R-021120
UFE412-M4
PAS5201-A0
WP32C2W3EFEI-320B2

Affected Catalog Part Number (CPN)

PD69200C-021019-TR
PD69100C-024201
WIN860M6NHEI-300A1
WP32C2W6NFEI-400B2
WP441R6A1-500-NFEI
WP441W6A1-500-EFEI
PD69200R-017217
PD69100C-024901
PAS5201-L0
PAS6401B-F3GI
PAS6511B-F3GI
PD69200C-017221
WP33C2A1EFEI-450B2
WP32C2A4EFEI-400B2
PD69200C-016101
PAS7401B-PGI
PD69200C-021019
UFE412-T1
WP3160W6NFEI-320B1
PD69200R-017223
PD69200C-021119
PD64004AH
WP3161W6NFEI-320B1
WP441W6A1-400-EFEI
WP3161W1EFEI-320B1
PD69200C-018818-TR
PAS6511B-F3EI
WP32C2M6NHEI-400B2
PD39100C-025881
WP3160W3NFEI-320B1
WIN2A3NHEI-250A1-2
WIN2A3NHEI-250A1
WP3392D4NFEI-320B2
WP3232M5NHEI-320B2
WP3161W6NHEI-400B1
UFE412-T2
WP34C2R4NFEI-400B2
PD69200C-016701
WP3061W1NHEI-250B1
PD69100R-026503
PD81000-028101
WP3161R4NFEI-320B1
WP3362D4NFEI-320B2
PD69100C-0232-TR
PD69100R-026311
WP441W6A1-400-NFEI
PD81000-028103

Affected Catalog Part Number (CPN)

PD69200C-021413
PD69100C-026598
PD69100C-026501
PD69200C-016501
PD39100C-026501
PD69101ILQ-13155TR
WIN867R4NHEI-330A1
PD69200R-015103
PD69000DC-0210
PD69208MILQ-TR-LE
PD69000AC-0210
PD69100C-023601
PD69100C-025501
PAS6411B-F3GI
WIN860M6NHEI-350A1
WP34C2R6EFEI450B2R
WIN847W6NHEI-250A1
PD69000DC-0414
PD70224LILQ-TR
PD70210ALILQ-TR
PD69000AC-0300
PD69000AC-0410
WP33C2D4NFEI-450B2
PD82000-021200
WIN867M6NHEI-300A1
PD69200C-016121
PD69100C-026516
PD69100C-025880
PD69100R-026611
WP34C2R6NFEI450B2R
PD69100C-023290
PD69204T4ILQ-TR-LE
PD69200C-021119-TR
PD69000DC-0400
PD69000DC-0401
PD69000DC-0411
PD69100C-0122
PD70210AILD-TR
WIN847W3NHEI-250A1
WP3161F5NFEI-320B1
PD69200R-018703
PD69200C-016721
PD69100C-026501-TR
WP3061W2NHEI-250B1
WP32C2M6NELI-400B2
PD70224ILQ-TR
PD69200C-015101

Affected Catalog Part Number (CPN)

PD69200C-018701
WP3161D4NFEI-400B1
PD70210ILD-TR
PD69200R-016103
UFE412-T4
PD69200R-021126
PD69200R-021126-TR
PD69200R-016703
PD39100C-024001
PD69100R-024803
WP3161EFEI-400B1
AA540F-01-1016-G-LF
AA540F-01-1416-G-LF
AA550C2-01-1104-G-LF
AA568C1-01-1016-G-LF
AA576B-01-1612-GLFTR
AA585B-01-2548-GLF-TR
AA598D1-01-1416-G-LF
AA623B-01-2724-GLFTR
AA800A_V1R6-01-1416-GLF-13165-TR
AAC243E-S8A-G-LF-TR
AAP661AS-M5A-GLF-TR
AAP661BS-M5A-GLF-TR
AAP661CS-M5A-GLF-TR
AAP803A1
AAP803A3
IPS18I-SO-G-LF-TR
IPS21I-SO-G-LF-TR
LX13084AILQ-TR
LX27901ID-13154-TR
LX27901ID-TR
LX3301AQPW
LX3301AQPW-13172-TR
LX3301AQPW-TR
LX3302AQPW
LX3302AQPW-TR
LX7104ISF-TR
LX7165-01CSP-TR
LX7165-02CSP-TR
LX7165-03CSP-TR
LX7165-05CSP-TR
LX7167ACLD-TR
LX7175CLD-TR
LX7167CLD-TR
LX7176ACLQ-TR
LX7176CLQ-13162-TR
LX7178-01CSP-TR

Affected Catalog Part Number (CPN)

LX7180A-01CLQ-TR
LX7180A-11CLQ-TR
LX7180A-21CLQ-TR
LX7186AILU-TR
LX7180A-31CLQ-TR
LX7188ILU-TR
LX7219-01ILQ-TR
LX7219-02ILQ-TR
LX7220-03ILQ-TR
LX802AQDB-TR
LX802QDB-TR
LX8213-00ISE-TR
LX7309ILQ-TR
LX8213-12ISE-TR
LX8213-33ISE-TR
LX8233ILQ-TR
LX8237ILQ-TR
LX8237ILQ-TR-V2R3
LX8237ILQ-TR-V3R2
LX8240ILD-TR
NX7101IDMTR
NX7102IDETR
NX2124CSTR
PD69200C-021819
PD69200R-034600
NX9548ILQ-TR
PD69200R-021020
LX8259-03ILQ-TR

Frequently Asked Questions (FAQ)

Contacting Microchip: Microchip has Sales Offices Worldwide. You have received this correspondence from a Microchip Inside Sales Representative, please continue to work with him/her to guide you through the transition. Should you need to find your local office, please visit our website at: [MicrochipSalesandDistribution](#). Also note that your current Microsemi contacts have moved to the Microchip email system therefore their email address has changed to [firstname.lastname@microchip.com](#)

You may also contact the following individuals within your geography:

Americas: Rozita Yajadda ([Rozita.yajadda@microchip.com](#))

Europe: Wilson (Mary.[Wilson@microchip.com](#))

APAC: Nora Lee ([Nora.Lee@microchip.com](#))

World Wide Distribution: Jennifer Innella ([Jennifer.Innella@microchip.com](#))

EMEA Distribution: Jane Afshar ([Jane.Afshar@microchip.com](#))

Asia Distribution: Derek Chan ([Derek.Chan@microchip.com](#))

Open Direct Orders with Microsemi: Open Orders for affected parts will be transferred to the Microchip Systems on or about November 1, 2019. Customers will be contacted by local sales offices prior to the transfer to ensure a smooth transition. All orders will be transferred in US\$ currency. The details of the currency conversion will be outlined by your local ISR contacts closer to the transfer date.

MOQ: Orders must be placed in multiples of tray, tube, bag, or reel size. Additionally, there may be a Purchase Order/Order Line minimum. Existing Microsemi orders being converted to Microchip orders will be subject to the Microchip base quantity multiples and Microchip Purchase Order/Order Line item minimum.

Should changes be required when migrating open backlog, each customer will be notified with full details by your local Inside Sales contact.

Order Acknowledgement: Microchip provides Acknowledgements for all new Direct orders entered and for each change made to an existing Direct order. This document is typically provided via email. Once an existing order is transferred from the Microsemi system to the Microchip system an Order Acknowledgement will then be sent. Customers or Distributors that have an EDI connection will receive either an 855 acknowledgement (US & Asia) or ORDRSP acknowledgement (Europe) via EDI.

Cancel/Reschedule: The table below provides information on the Microchip Cancel/Reschedule policy:

Catalog PN Restriction	Cancellation	CRD Push Out	CRD Pull In Allowed	CRD Push Out Allowed
Standard	>30 days PRD	>30 days PRD	Y	Y
Custom, Non Standard	>60 days PRD	>60 days PRD	Y	Y
QS9000	>60 days PRD	>60 days PRD	Y	Y
NCNR	N/A	N/A	Y	N

*CRD – Customer Requested Delivery Date

*PRD – Microchip Anticipated Delivery Date

Advanced Ship Notice (ASN): When placing a Direct Order with Microchip, customers can elect to receive an Advance Ship Notice. This document advises that your order is prepared to ship to the location identified on your Purchase Order. This option will be discussed with you by your local Microchip Contact prior to the go live date in November.

Managing Product Requirements during the Transition: The Microsemi order entry and shipments systems for items identified in this information packet will transition to Microchip systems on or about November 1, 2019. Until that time, please continue to manage your product requirements as you do today. If changes have been made with your local Representative Sales Office, please see the Microchip section **Contacting Microchip** from above. Microchip will have a 'Quiet Period' that will occur for several days surrounding the final integration so that we can import all existing Purchase Orders into our system. During that time, we will not Accept New Orders, Modify/Cancel Existing Orders, or Ship Product. Please contact your local sales office with any questions or concerns.

Shipping and Invoicing after the transition: After November 1, 2019, all products identified in this phase will be shipped and invoiced from Microchip. Please alert your **Receiving** and **Accounts Payable** departments of this change; in our experience, some clients must cancel existing backlog and then re-issue a new P.O. to Microchip. Over the coming weeks Microchip will contact you to discuss all your needs to insure there is no interruption in your supply chain.

Vendor/Supplier Code: If your system requires a new code to support order placement to Microchip and receive in Microchip shipments, please arrange as needed.

Shipping Labels, Boxes and Packing Methods: Labels, Boxes and Packing methods will be standardized to Microchip's current processes. Special shipping labels for special

products such as programming products, special testing, etc. will adhere to the standard Microchip process over time. See attached Standard Microchip Label Specification.

Lots, Trace Codes, Date Codes, Part Aging, and Shelf Life: Standard Microchip methods for combining production lots, trace codes and date codes into tubes, trays, and reel media will apply as well as standard Microchip Part Aging and Shelf Life Policies. Microchip quality documents and policies including part aging policy are found on our website. [Quality Documents and Policies](#)

Payment Terms: Standard payment terms are N30

Terms & Conditions: Microchip Sales are subject to the company's Terms and Conditions ("T&C"). Microchip T&C does differ slightly depending on whether the customer is in the European Union or elsewhere in the world and whether they are purchasing Direct or through microchipDIRECT. Microchip Terms and Conditions are attached.

Product/Process Change Notification (PCN) after the transition: Within the next quarters starting in November 2018 through the year 2020 and potentially into the year 2021 the standard Microchip methods for notifying customers about product changes that include PCNs and End of Life (EOL) notices will begin to apply (please note that this process will integrate over multiple phases of select products during this period). Part of the standard method includes a PCN email service that we expect to be available to select Microsemi customer/product combinations soon after each integration of select products. Once available, customers who wish to receive PCN's via email are expected to register for PCN email service on our PCN web page. Information about how and when to register will be provided in separate integration PCNs as the products you are interested in are phased in. The Microsemi PCN system will continue to be used in conjunction with a partial Microchip PCN system until the full Microchip PCN system can support Microsemi products soon after each group of products have been integrated (review how in the Microsemi Integration PCN's below). The Microsemi PCN system supporting integrated groups of products will be terminated soon after the transition to Microchip systems has completed for each product grouping. Information about Microchip's PCN system can be found at this link: [Microchip PCN Website](#)

Microsemi Integration PCN's: Until each product grouping has been integrated into Microchip's PCN system all PCN's related to the integration will be distributed using the Microsemi PCN system and can also be found at this Microchip website: [Product Change Notifications](#). This same PCN distribution process will be used to inform customers to register for the Microchip PCN email distribution process soon after each product grouping has been integrated. Additional integration PCNs for Microsemi products may be issued for the following changes; ordering part numbering convention, shipping labels, shipping boxes, packing methods, part aging/shelf life, top marking, manufacturing site, Bill of Material (BOM), Silicon, and EOL among others.

RoHS Information: Can be found on the Microchip Website under RoHS PB Free, RoHS Device Search. An email will be generated from the system with all of the pertinent information regarding the device search.

<http://www.microchip.com/wwwproducts/Rohs/>