

Integrated Device Technology, Inc. 6024 Silver Creek Valley Road, San Jose, CA - 95138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

	TRODUC	1/1 N O	CESS CI	IANGE NO		11)
PCN #: TB16 Product Affected Date Effective:	601-01 P9145 devices (refer to attachmen 16-May-2016		16-Feb-2016	MEANS OF DISTI ☐ Product Mark ☐ Back Mark ☐ Date Code ■ Other	Traceability to	HANGED DEVICES: the test location is IDT and available on
Contact: E-mail:	IDT PCN DESK pcndesk@idt.com			Attachment: Samples: Please co sample r	•	☐ No sales representative for
DESCRIPTION	AND PURPOSE OF (CHANGE:				
 □ Die Technolog □ Wafer Fabrica □ Assembly Production □ Equipment □ Material □ Testing ■ Manufacturing □ Data Sheet □ Other 	tion Process cess	alternate f Penang, N process in	facility for Test	. Products tested in S ity.	ive products that	are presently tested at IDT
RELIABILITY/	QUALIFICATION SU	IMMARY	•			
	ected change to the prod			rformance. Please re	fer to Attachment	I for Electrical
IDT records indi to grant approval it will be assume IDT reserves the	CKNOWLEDGMENT cate that you require wr l or request additional in d that this change is accordight to ship either versesion has been depleted.	itten notific nformation. eptable.	cation of this cha If IDT does not	receive acknowledg	ement within 30	lays of this notice
Customer:			_ [] Approval for	shipments pr	or to effective date.
Name/Date:			E	-Mail Address:		
Title:			P	hone# /Fax# :		
CUSTOMER CO	OMMENTS:					
IDT ACKNOW	LEDGMENT OF REC	EIPT:				
RECD. BY:				DATE:		

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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 1 - PCN # : TB1601-01

PCN Type: Manufacturing Site - Alternate Test & Backend Location

Data Sheet Change: None

Detail Of Change:

This notification is to advise our customers that IDT is adding Sigurd, Taiwan as an alternate facility for Test process for the selective products that are presently tested at IDT Penang, Malaysia facility. Products tested in Sigurd will also complete the Backend process in this same facility.

This change will allow IDT the flexibility to ship from either facility and will provide the increased capacity, flexibility and shorter lead time to meet market demand.

There is no change in the Test processing flows. Tester configuration used at IDT Penang is the same as Sigurd. IDT has completed the electrical test correlation and based on the test results we do not anticipate any impact on device performance. The testing is fully compatible and transferrable between the test facilities with no change to the test coverage. The Backend process is standardized between the two sites. The carrier tape and plastic reel used in Sigurd are with the same dimensions as used in IDT Penang. There is no change to form, fit and functions. Refer to Table 1 and Table 2 for the comparisons.

There is no change in the moisture sensitivity level (MSL).

If you require samples to conduct evaluations, please contact your local sales representative to acknowledge this PCN and request samples.

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 1 - PCN #: TB1601-01

Qualification Information and Qualification Data: Electrical Test Correlation Results

Vehicle: P9145

Sample size: 200 electrically good units and 30 reject units

Description	Existing Test (IDT, Penang)	Alternate Test (Sigurd, Taiwan)
Tester Platform	Teradyne Flex	Teradyne Flex
Loadboard	IDT board	IDT board
Test Program	FRP9145_XX_SeikoEpsonNS 5000.txt	FRP9145_XX_SeikoEpsonNS5000.txt
Test Site	2	2
Test Temperature	25°C	25°C
Test Correlation Results	100%	100%
Number of Good Units Correlated @ ambient	200 pcs	200 pcs
200 units Bin 1 handler run (good units)	200 good units pass electrical test	200 good units pass electrical test
Number of Reject Units Correlated @ ambient	30 pcs	30 pcs
30 units rejects handler run	30 rejects fail electrical test	30 rejects fail electrical test
200 units Bin 1 datalog correlation (good units)	Passed	Passed
30 units rejects datalog correlation	Passed	Passed



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 1 - PCN #: TB1601-01

Carrier Tape and Plastic Reel comparisons:

Table 1: Carrier Tape Comparisons

Item	Vendor	Carrier Dimensions		Cavity Dimensions (mm) ±0.1 or Specific			nm)	Top View	Drawing	
		W (mm.) ±0.3	P1 (mm.) ±0.1	A0	B0	K0	K1		-	
	IDT	PCT QFN9x9GP-20B3-360C-SD	16	12	9.3	9.3	1.05	NA		Refer Attachment 3
	Sigurd	ADVANTEK ML0909-D	16	12	9.3	9.3	1.05	NA		Refer Attachment 4

Table 2: Plastic Reel Comparisons

Item	Vendor	(A) Reel Dia. (inch)	(N) Hub Dia. (inch)	Color	Snapshot	Drawing	
IDT	TAIPEX 3.3C161307(BLK)	13"	7"	Black	# ·	Refer Attachment 5	
Sigurd	TAIPEX 3.3C161307(BLK)	13"	7"	Black		Attachment 3	

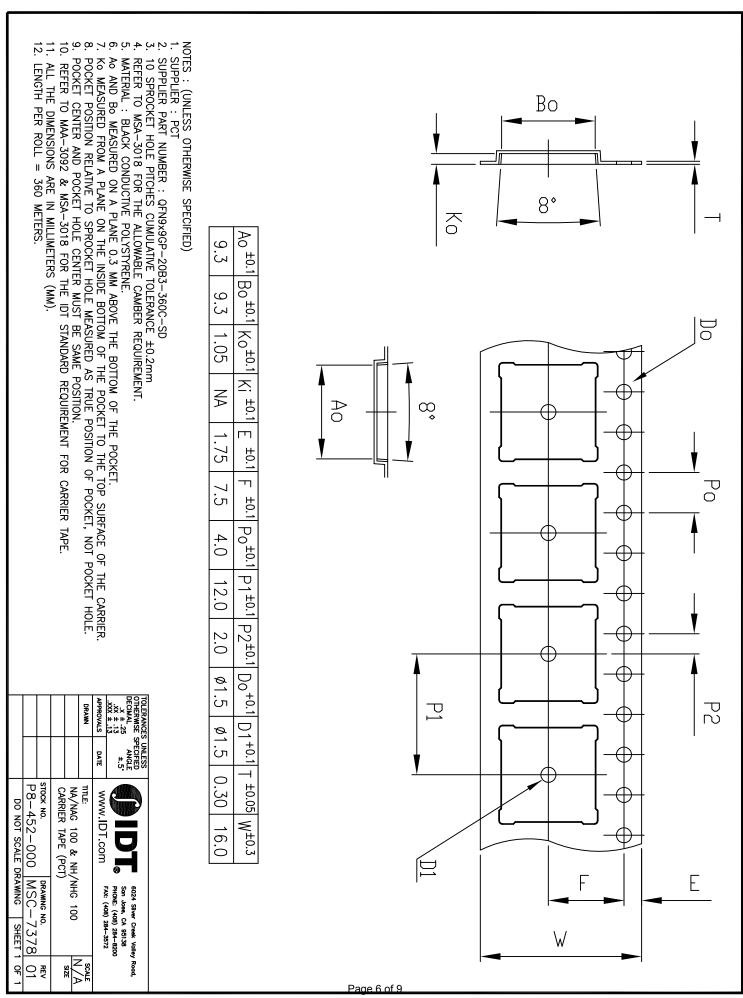
Integrated Device Technology, Inc. 6024 Silver Creek Valley Road, San Jose, CA - 95138

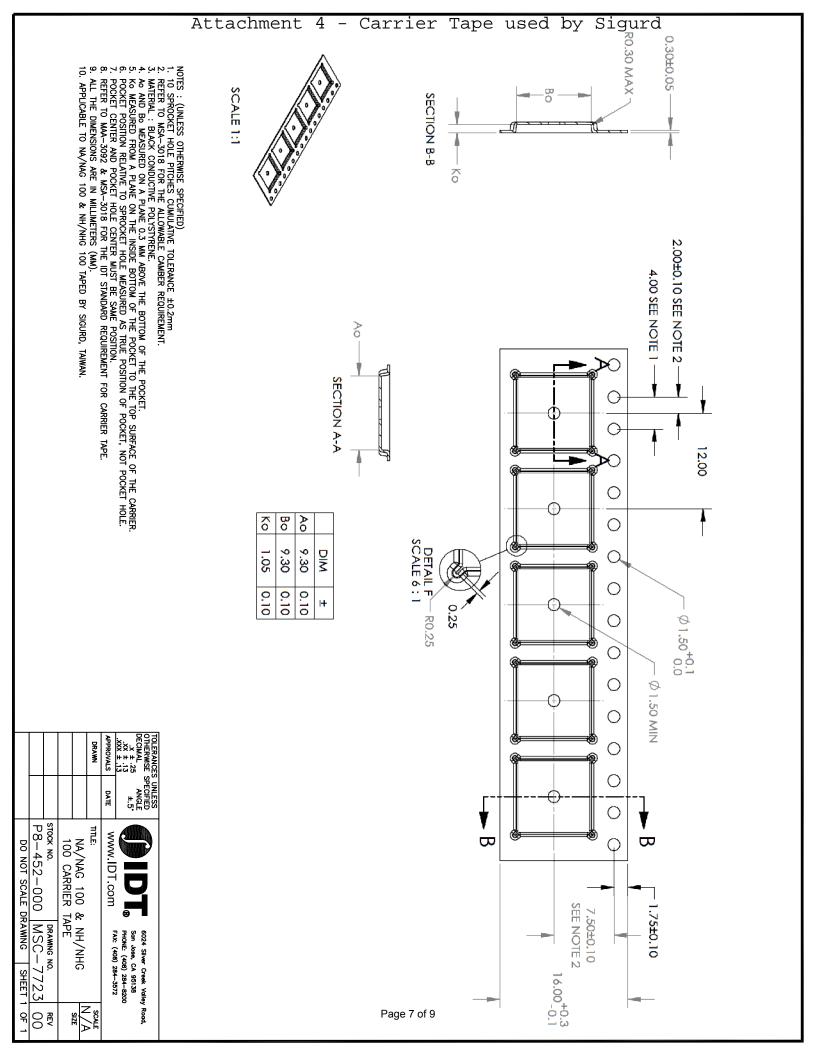
PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 2 - PCN #: TB1601-01

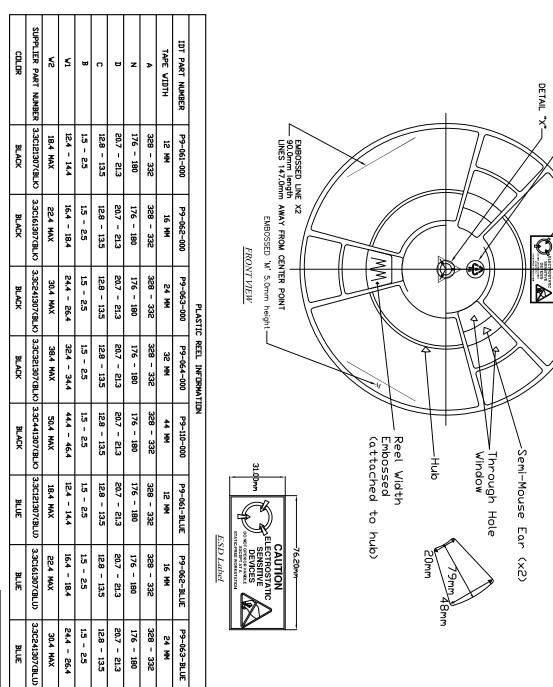
Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
P9145-00NAGI	P9145-A2NAGI8	P9145-N1NAGI	P9145-T1NAGI8
P9145-00NAGI8	P9145-H1NAGI	P9145-N1NAGI8	P9145-T2NAGI
P9145-00NHGI	P9145-H1NAGI8	P9145NAGI	P9145-T2NAGI8
P9145-00NHGI8	P9145-I0NAGI	P9145NAGI8	P9145-X0NAGI
P9145-A0NAGI	P9145-I0NAGI8	P9145NHGI	P9145-X0NAGI8
P9145-A0NAGI8	P9145-K0NAGI	P9145NHGI8	P9145-X1NAGI
P9145-A1NAGI	P9145-K0NAGI8	P9145-T0NAGI	P9145-X1NAGI8
P9145-A1NAGI8	P9145-N0NAGI	P9145-T0NAGI8	
P9145-A2NAGI	P9145-N0NAGI8	P9145-T1NAGI	





Attachment 5 - Plastic Reel



RECYCLE SYMBOL -

ESD Label (See Below)

					DRAWN	APPROVALS DATE	TOLERANCES UNLESS O'HERWISE SPECIFIED DECIMAL ANGLEx ± .25 ± .5*xx ± .13
DO NOT SCALE DRAWING	SEE TABLE	STOCK NO.	- ניס ויבבר	PLASTIC REEL (7" HIIB)	חתב:	www.ID1.com	
RAWING SHEET 1 OF 3	MSC-4796 03	DRAWING NO.	(100)	(7" HIR)		FAX. (100) 201-33/2	6024 Silver Creek Valley Road, San Jose, CA 95138 PHONE: (408) 284–8200
OF 3	03	REV	N/A	277	SCALE		Road,

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL: HIPS (ANTISTATIC POLYSTYRENE)

2. ALL DIMENSIONS ARE IN mm.

3. REEL & ESD SURFACE RESISTIVITY SHALL CONFORM TO IDT SPEC MSA-3018.

4. ESD LOGO MUST BE DIRECTLY OPPOSITE EACH OTHER.

5. SUPPLIER: TAIPEX

6. FLANGE AND HUB WELDED TOGETHER.

7. * MEASURED AT HUB AREA.

8. ** MEASURED AT OUTER EDGE.

6024 Silver Creek Valley Road, San Jose, CA 95138 PHONE: (408) 284–8200 FAX: (408) 284–3572	<u> </u>	8	,		
	FAX: (408) 284-3572	PHONE: (408) 284-8200	San Jose, CA 95138	6024 Silver Creek Valley Road,	

3.3C321307(BLU)

3.3C441307(BLU)

BLUE

32.4 - 34.4 1.5 - 2.5 12.8 - 13.5

44.4 - 46.4 1.5 - 2.5 12.8 - 13.5

38.4 MAX

50.4 MAX

P9-064-BLUE

P9-110-BLUE

32 ¥

20.7 - 21.3

20.7 - 21.3

176 -328 - 332

180

176 - 180

328 - 332

4 ¥ ₹

