

LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	OWN	APVD	
E	B		D3	ECR-10-022205	01FEB11	KK	HMR	

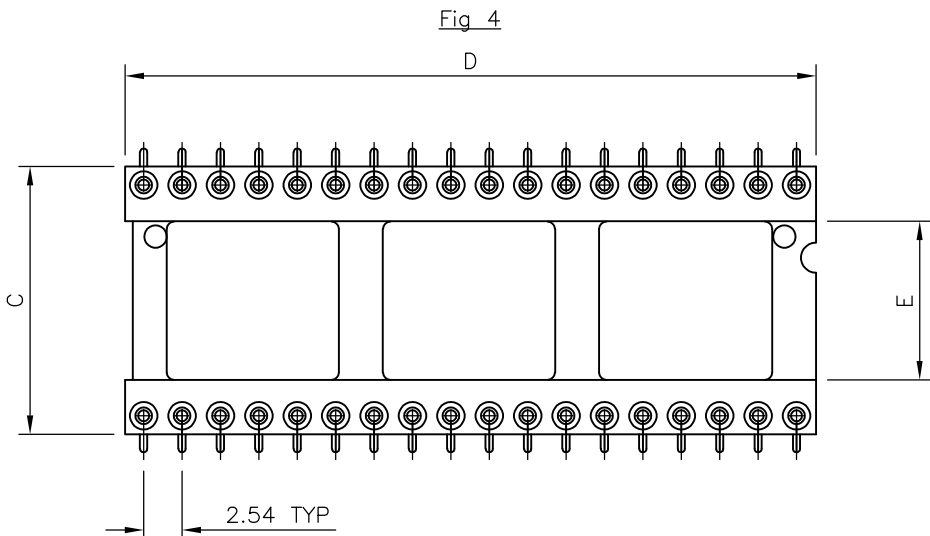
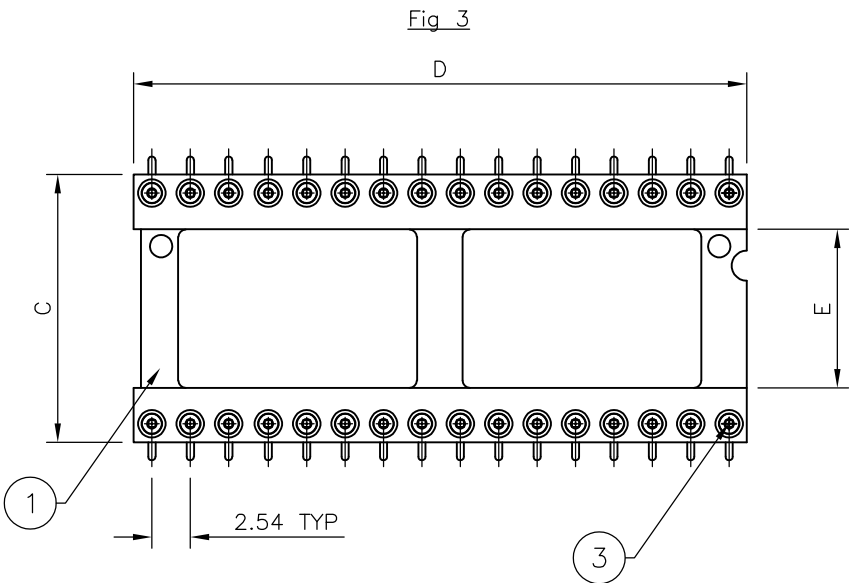
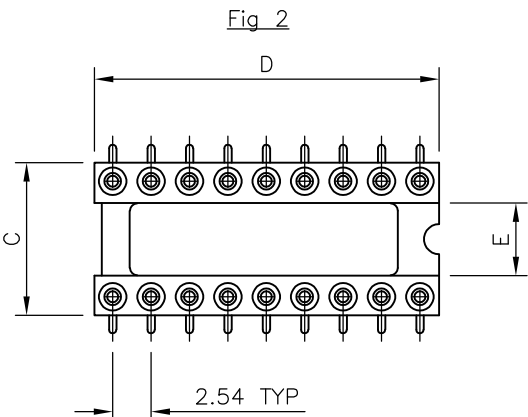
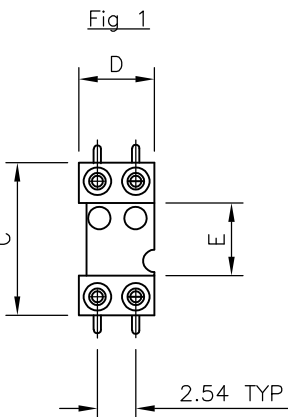
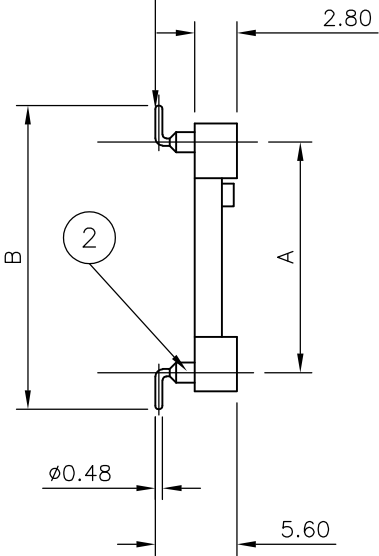
D

C

B

A

COPLANARITY
0.00 ± 0.10
(ACROSS ALL TAILS
UP TO 40 POSITIONS)



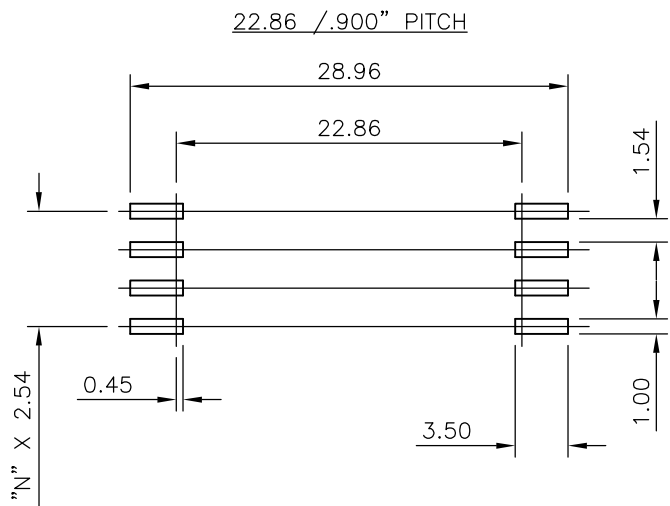
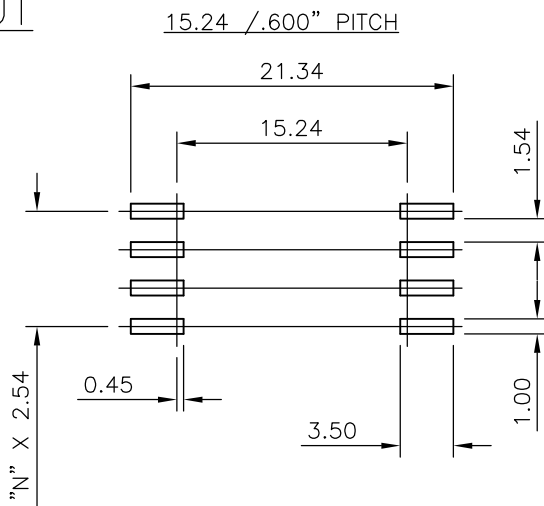
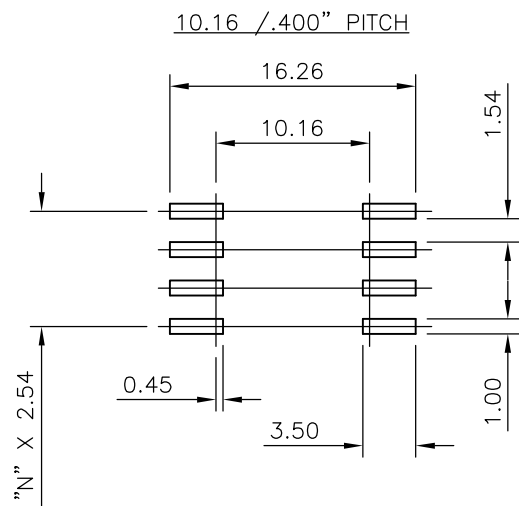
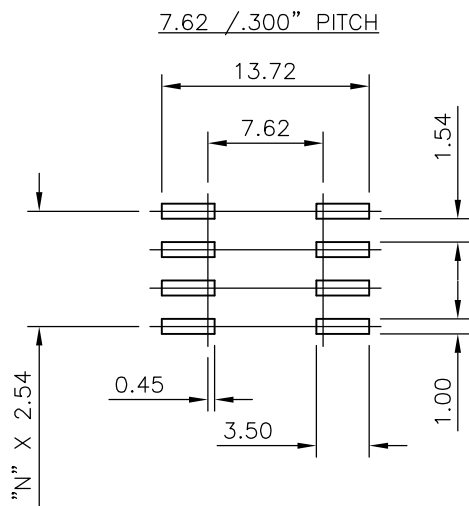
D

C

B

A

PCB LAYOUT



"N" = NUMBER OF POSITIONS

NOTES:

- MATERIAL:
1, INSULATOR – THERMOPLASTIC POLYESTER UL-94-V-0.
2, SLEEVE – BRASS.
3, CONTACT – STAMPED BERYLLIUM COPPER.
- PIN SPECIFICATION:
CONTACT ACCEPTS:
ROUND PIN Ø0.40 TO 0.56.
RECTANGULAR PIN 0.25 x 0.45 (NOMINAL).
- MECHANICAL DATA:
INSERTION FORCE– 3.2N MAX/CONTACT.
EXTRACTION FORCE– 0.5N MIN/CONTACT.
MECHANICAL LIFE– 100 CYCLES MIN (0.75µm Au)
50 CYCLES MAX (FLASH Au)
25 CYCLES MAX (5µm Sn)
CONTACT RETENTION– 3.3N MIN.
SOLDER PROCESS CAPABILITY–280°C
- ELECTRICAL:
CONTACT RESISTANCE– 10m Ohm MAX.
CONTACT RATING– 1Amp
INSULATION RESISTANCE– AT 500V AC BETWEEN ANY 2 ADJACENT CONTACTS MIN 10000m Ohm.
DIELECTRIC VOLTAGE– MIN 1000V RMS.
- ENVIRONMENTAL:
OPERATION TEMPERATURE– -55 +125°C
- TUBE PACKAGED WITH NUMBER OF PARTS PER TUBE AS INDICATED IN TABLE.
EACH TUBE TO BE INDIVIDUALLY LABELLED. THE LABEL WILL HAVE TE PART NUMBER,
XX QTY PER TUBE, DATE CODE AND RoHS DIRECTIVE DETAILS (RoHS 2002/95/EC).
OUTER BOX / SHIPPER CARTON TO BE LABELLED WITH TE PART NUMBER,
TOTAL XXX QTY PER OUTER BOX / SHIPPER CARTON,
DATE CODE AND RoHS DIRECTIVE DETAILS (RoHS 2002/95/EC).
TAPE AND REEL PACKAGED SEE SHEET 2.
- FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE.
- ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

OBSOLETE	18	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	27.8	10.1	12.1	7.62	22	3	3-1814640-0
	18	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	27.8	10.1	12.1	7.62	22	3	2-1814640-9
	18	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	27.8	10.1	12.1	7.62	22	3	2-1814640-8
	20	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	25.3	10.1	12.1	7.62	20	3	2-1814640-7
OBSOLETE	20	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	25.3	10.1	12.1	7.62	20	3	2-1814640-6
	20	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	25.3	10.1	12.1	7.62	20	3	2-1814640-5
	22	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	22.8	10.1	12.1	7.62	18	2	2-1814640-4
	22	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	22.8	10.1	12.1	7.62	18	2	2-1814640-3
	22	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	22.8	10.1	12.1	7.62	18	2	2-1814640-2
	25	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	20.3	10.1	12.1	7.62	16	2	2-1814640-1
OBSOLETE	25	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	20.3	10.1	12.1	7.62	16	2	2-1814640-0
	25	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	20.3	10.1	12.1	7.62	16	2	1-1814640-9
	29	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	17.7	10.1	12.1	7.62	14	2	1-1814640-8
	29	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	17.7	10.1	12.1	7.62	14	2	1-1814640-7
	29	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	17.7	10.1	12.1	7.62	14	2	1-1814640-6
	41	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	12.6	10.1	12.1	7.62	10	2	1-1814640-5
	41	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	12.6	10.1	12.1	7.62	10	2	1-1814640-4
	41	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	12.6	10.1	12.1	7.62	10	2	1-1814640-3
OBSOLETE	N/A	600	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1-1814640-2
	N/A	600	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1-1814640-1
OBSOLETE	N/A	600	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1-1814640-0
OBSOLETE	52	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1814640-9
	52	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1814640-8
OBSOLETE	52	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	10.1	10.1	12.1	7.62	8	2	1814640-7
OBSOLETE	69	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	7.6	10.1	12.1	7.62	6	1	1814640-6
	69	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	7.6	10.1	12.1	7.62	6	1	1814640-5
	69	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	7.6	10.1	12.1	7.62	6	1	1814640-4
	105	N/A	FLASH Au	5µm Sn OVER 2-3µm Ni	4.8	5	10.1	12.1	7.62	4	1	1814640-3
	105	N/A	5µm MIN Sn	5µm Sn OVER 2-3µm Ni	4.8	5	10.1	12.1	7.62	4	1	1814640-2
	105	N/A	0.75µm Au	5µm Sn OVER 2-3µm Ni	4.8	5	10.1	12.1	7.62	4	1	1814640-1
	No. Of Parts Per Tube	No. Of Parts Per Tape & Reel	Contact Plating	Sleeve Plating	E	D	C	B	A	Number Of Positions	Fig	Part No
					Dimensions							

1814640

B

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC

±
±
±
±
±

-
-
-
-
-

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED

ANGLES
FINISH

±
±
±
±
±

-
-
-
-
-

DWN
A. Morey
CHK
S. Parlow
APVD
F. Wheeler-King
PRODUCT SPEC

11NOV05
22NOV05
22NOV05

NAME

TE Connectivity

SURFACE MOUNT DIP IC SOCKET
OUTBOARD TERMINATION

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1814640

RESTRICTED TO
-

WEIGHT
-

CUSTOMER DRAWING

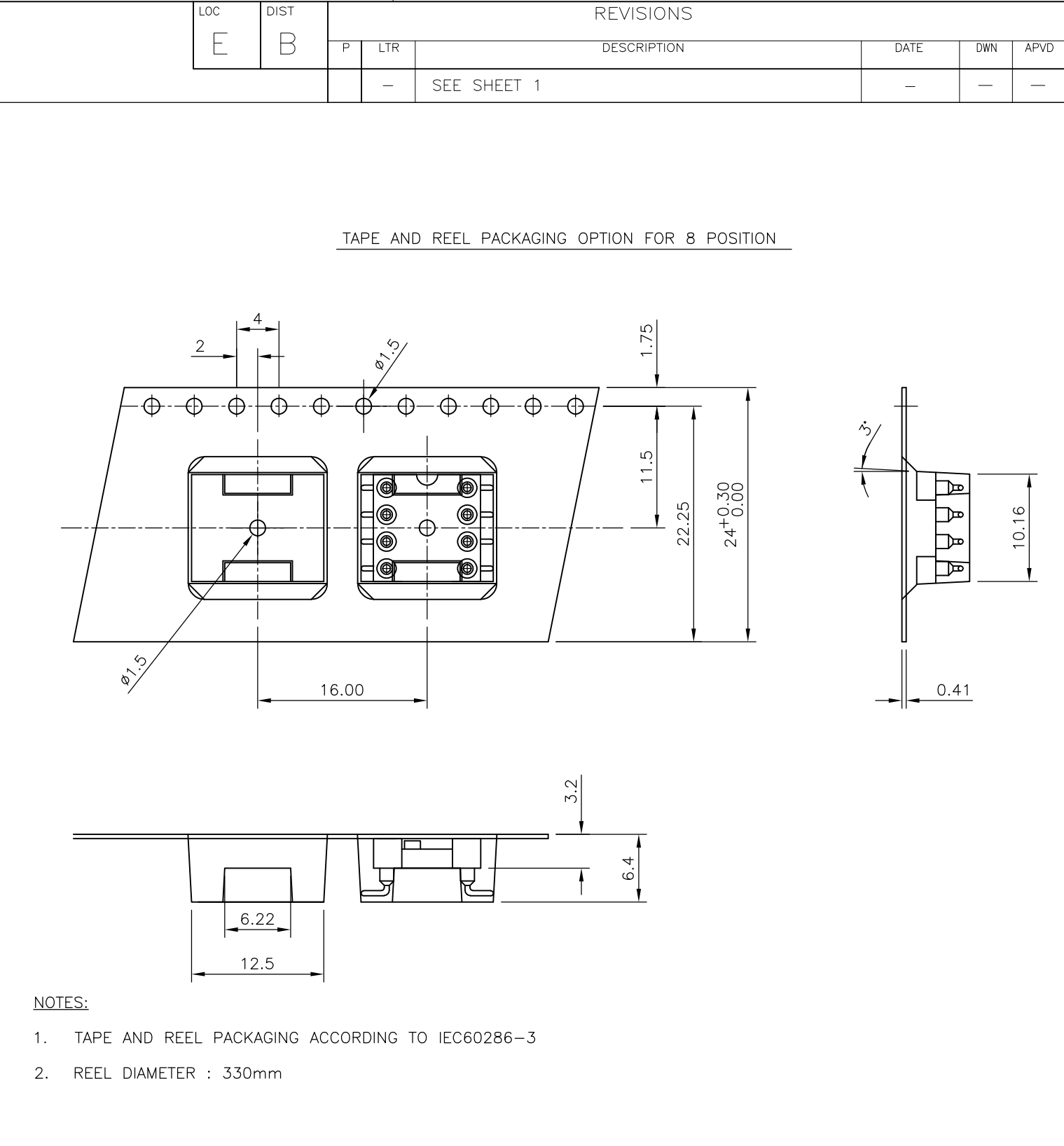
SCALE
2:1

SHEET
1 OF 2

REV
D3

1471-9 (3/11)

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Part No	Fig	Number Of Positions	Dimensions					Sleeve Plating	Contact Plating	No. Of Parts Per Tube
			A	B	C	D	E			
3-1814640-1	3	22	10.16	14.7	12.6	27.8	7	5µm Sn OVER 2-3µm Ni	0.75µm Au	18
3-1814640-2	3	22	10.16	14.7	12.6	27.8	7	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	18
3-1814640-3	3	22	10.16	14.7	12.6	27.8	7	5µm Sn OVER 2-3µm Ni	FLASH Au	18
3-1814640-4	3	24	7.62	12.1	10.1	30.4	4.8	5µm Sn OVER 2-3µm Ni	0.75µm Au	17
3-1814640-5	3	24	7.62	12.1	10.1	30.4	4.8	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	17
3-1814640-6	3	24	7.62	12.1	10.1	30.4	4.8	5µm Sn OVER 2-3µm Ni	FLASH Au	17
3-1814640-7	3	24	10.16	14.7	12.6	30.4	7	5µm Sn OVER 2-3µm Ni	0.75µm Au	17
3-1814640-8	3	24	10.16	14.7	12.6	30.4	7	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	17
3-1814640-9	3	24	10.16	14.7	12.6	30.4	7	5µm Sn OVER 2-3µm Ni	FLASH Au	17
4-1814640-0	3	24	15.24	19.9	17.7	30.4	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	17
4-1814640-1	3	24	15.24	19.9	17.7	30.4	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	17
4-1814640-2	3	24	15.24	19.9	17.7	30.4	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	17
4-1814640-3	3	28	7.62	12.1	10.1	35.5	4.8	5µm Sn OVER 2-3µm Ni	0.75µm Au	15
4-1814640-4	3	28	7.62	12.1	10.1	35.5	4.8	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	15
4-1814640-5	3	28	7.62	12.1	10.1	35.5	4.8	5µm Sn OVER 2-3µm Ni	FLASH Au	15
4-1814640-6	3	28	10.16	14.7	12.6	35.5	7	5µm Sn OVER 2-3µm Ni	0.75µm Au	15
4-1814640-7	3	28	10.16	14.7	12.6	35.5	7	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	15
4-1814640-8	3	28	10.16	14.7	12.6	35.5	7	5µm Sn OVER 2-3µm Ni	FLASH Au	15
4-1814640-9	3	28	15.24	19.9	17.7	35.5	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	15
5-1814640-0	3	28	15.24	19.9	17.7	35.5	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	15
5-1814640-1	3	28	15.24	19.9	17.7	35.5	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	15
5-1814640-2	3	32	10.16	14.7	12.6	40.6	7	5µm Sn OVER 2-3µm Ni	0.75µm Au	13
5-1814640-3	3	32	10.16	14.7	12.6	40.6	7	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	13
5-1814640-4	3	32	10.16	14.7	12.6	40.6	7	5µm Sn OVER 2-3µm Ni	FLASH Au	13
5-1814640-5	3	32	15.24	19.9	17.7	40.6	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	13
5-1814640-6	3	32	15.24	19.9	17.7	40.6	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	13
5-1814640-7	3	32	15.24	19.9	17.7	40.6	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	13
5-1814640-8	4	36	15.24	19.9	17.7	45.7	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	11
5-1814640-9	4	36	15.24	19.9	17.7	45.7	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	11
6-1814640-0	4	36	15.24	19.9	17.7	45.7	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	11
6-1814640-1	4	40	15.24	19.9	17.7	50.8	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	10
6-1814640-2	4	40	15.24	19.9	17.7	50.8	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	10
6-1814640-3	4	40	15.24	19.9	17.7	50.8	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	10
6-1814640-4	4	42	15.24	19.9	17.7	53.3	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	9
6-1814640-5	4	42	15.24	19.9	17.7	53.3	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	9
6-1814640-6	4	42	15.24	19.9	17.7	53.3	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	9
6-1814640-7	4	48	15.24	19.9	17.7	60.9	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	8
6-1814640-8	4	48	15.24	19.9	17.7	60.9	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	8
6-1814502-9	4	48	15.24	19.9	17.7	60.9	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	8
7-1814640-0	4	50	15.24	19.9	17.7	63.4	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	8
7-1814640-1	4	50	15.24	19.9	17.7	63.4	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	8
7-1814640-2	4	50	15.24	19.9	17.7	63.4	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	8
7-1814640-3	4	50	22.86	27.4	25.3	63.4	17.3	5µm Sn OVER 2-3µm Ni	0.75µm Au	7
7-1814640-4	4	50	22.86	27.4	25.3	63.4	17.3	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	7
7-1814640-5	4	50	22.86	27.4	25.3	63.4	17.3	5µm Sn OVER 2-3µm Ni	FLASH Au	7
7-1814640-6	4	52	15.24	19.9	17.7	66	10.5	5µm Sn OVER 2-3µm Ni	0.75µm Au	7
7-1814640-7	4	52	15.24	19.9	17.7	66	10.5	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	7
7-1814640-8	4	52	15.24	19.9	17.7	66	10.5	5µm Sn OVER 2-3µm Ni	FLASH Au	7
7-1814640-9	4	52	22.86	27.4	25.3	66	17.3	5µm Sn OVER 2-3µm Ni	0.75µm Au	7
8-1814640-0	4	52	22.86	27.4	25.3	66	17.3	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	7
8-1814640-1	4	52	22.86	27.4	25.3	66	17.3	5µm Sn OVER 2-3µm Ni	FLASH Au	7
8-1814640-2	4	64	22.86	27.4	25.3	81.2	17.3	5µm Sn OVER 2-3µm Ni	0.75µm Au	6
8-1814640-3	4	64	22.86	27.4	25.3	81.2	17.3	5µm Sn OVER 2-3µm Ni	5µm MIN Sn	6
8-1814640-4	4	64	22.86	27.4	25.3	81.2	17.3	5µm Sn OVER 2-3µm Ni	FLASH Au	6



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