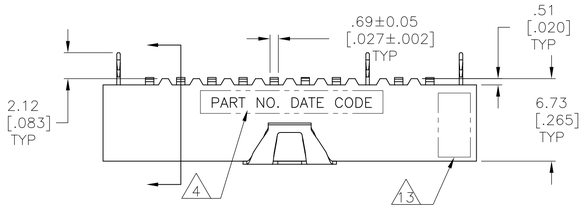
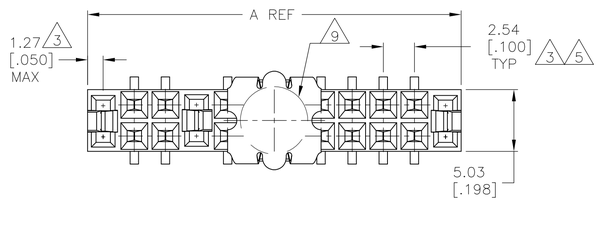
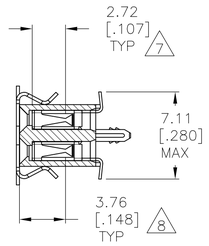
LOC	DIST
AD	00

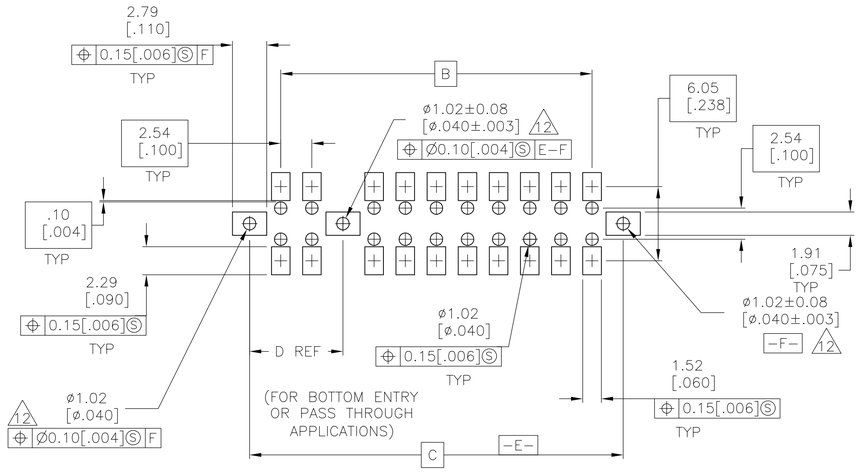
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	N7	REVISED PER ECO-13-005565	30MAR13	KH	JO









RECOMMENDED PC BOARD LAYOUT

0.20[.008] THICK STENCIL

2	10	53.34[2.100]	106.68[4.200]	99.06[3.900]	109.22[4.300]	80	4-147102-0
2	10	50.80[2.000]	104.14[4.100]	96.52[3.800]	106.68[4.200]	78	3-147102-9
2	10	50.80[2.000]	101.60[4.000]	93.98[3.700]	104.14[4.100]	76	3-147102-8
2	10	48.26[1.900]	99.06[3.900]	91.44[3.600]	101.60[4.000]	74	3-147102-7
2	10	48.26[1.900]	96.52[3.800]	88.90[3.500]	99.06[3.900]	72	3-147102-6
2	10	45.72[1.800]	93.98[3.700]	86.36[3.400]	96.52[3.800]	70	3-147102-5
2	10		88.90[3.500]	83.82[3.300]	91.44[3.600]	68	3-147102-4
2	10		86.36[3.400]	81.28[3.200]	88.90[3.500]	66	3-147102-3
2	10		83.82[3.300]	78.74[3.100]	86.36[3.400]	64	3-147102-2
2	10		81.28[3.200]	76.20[3.000]	83.82[3.300]	62	3-147102-1
2	10		78.74[3.100]	73.66[2.900]	81.28[3.200]	60	3-147102-0
2	10		76.20[3.000]	71.12[2.800]	78.74[3.100]	58	2-147102-9
2	10		73.66[2.900]	68.58[2.700]	76.20[3.000]	56	2-147102-8
2	10		71.12[2.800]	66.04[2.600]	73.66[2.900]	54	2-147102-7
2	10		68.58[2.700]	63.50[2.500]	71.12[2.800]	52	2-147102-6
2	10		66.04[2.600]	60.96[2.400]	68.58[2.700]	50	2-147102-5
2	10		63.50[2.500]	58.42[2.300]	66.04[2.600]	48	2-147102-4
2	10		60.96[2.400]	55.88[2.200]	63.50[2.500]	46	2-147102-3
2	10		58.42[2.300]	53.34[2.100]	60.96[2.400]	44	2-147102-2
2	10		55.88[2.200]	50.80[2.000]	58.42[2.300]	42	2-147102-1
2	10		53.34[2.100]	48.26[1.900]	55.88[2.200]	40	2-147102-0
2	10		50.80[2.000]	45.72[1.800]	53.34[2.100]	38	1-147102-9
2	10		48.26[1.900]	43.18[1.700]	50.80[2.000]	36	1-147102-8
2	10		45.72[1.800]	40.64[1.600]	48.26[1.900]	34	1-147102-7
SUPERSEDED 2	10		~~43.18[1.700]~~	~~38.10[1.500]~~	~~45.72[1.800]~~	~~32~~	~~1-147102-6~~
2	10		40.64[1.600]	35.56[1.400]	43.18[1.700]	30	1-147102-5
2	10		38.10[1.500]	33.02[1.300]	40.64[1.600]	28	1-147102-4
2	10		35.56[1.400]	30.48[1.200]	38.10[1.500]	26	1-147102-3
SUPERSEDED 2	10		~~33.02[1.300]~~	~~27.94[1.100]~~	~~35.56[1.400]~~	~~24~~	~~1-147102-2~~
2	10		30.48[1.200]	25.40[1.000]	33.02[1.300]	22	1-147102-1
2	10		27.94[1.100]	22.86[.900]	30.48[1.200]	20	1-147102-0
2	10		25.40[1.000]	20.32[.800]	27.94[1.100]	18	147102-9
2	10		22.86[.900]	17.78[.700]	25.40[1.000]	16	147102-8
2	10		20.32[.800]	15.24[.600]	22.86[.900]	14	147102-7
2	10		17.78[.700]	12.70[.500]	20.32[.800]	12	147102-6
14 2	10		15.24[.600]	10.16[.400]	17.78[.700]	10	147102-5
14 2	10		12.70[.500]	7.62[.300]	15.24[.600]	8	147102-4
14 2	10		10.16[.400]	5.08[.200]	12.70[.500]	6	147102-3
14 2	10		7.62[.300]	2.54[.100]	10.16[.400]	4	147102-2
14 6 OBSOLETE 2	10		5.08[.200]	–	7.62[.300]	2	~~147102-1~~
FINISH		D	C	B	A	NO.OF POSN.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.13[.005]
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL 1

FINISH 2 15

DWN	M.BINNER	06NOV02
CHK	J.OLSON	06NOV02
APVD	J.OLSON	06NOV02
PRODUCT SPEC	108-25022	
APPLICATION SPEC	114-25018	
WEIGHT	–	

TE Connectivity

NAME: RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, SURFACE MOUNT, AMPMODU

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-147102	–

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV N7

LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

1. HOUSING: FLAME RETARDANT, GLASS FILLED, POLYESTER, COLOR: BLACK.
CONTACT: PHOSPHOR BRONZE
VACUUM COVER: STAINLESS STEEL

2. CONTACT: DUPLEX PLATED 0.76µm[.000030] GOLD IN CONTACT AREA, 3.81–7.62µm[.000150–.000300] BRIGHT TIN–LEAD ON, LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL

3. THESE DIMENSIONS PERTAIN TO CAVITIY CENTERLINES ONLY NOT TO CONTACT LOACATIONS

4. MARK PART NUMBER AND DATE CODE IN APPROXIMATE LOCATION SHOWN, EITHER SIDE.

5. TOLERANCE IS NON–CUMULATIVE.

6. 2 POSITION DATE CODE IS MARKED OPPOSITE SIDE OF TE LOGO.

7. POINT OF MEASUREMENT DIMENSION FOR PLATING THICKNESS (INSIDE CONTACT BEAM).

8. POINT–OF–CONTACT DIMENSION.

9. ø5.51[.217] MIN TARGET AREA FOR VACUUM PICK UP. COVER TO BE REMOVED AFTER SOLDERING.

10. NO CENTER HOLD DOWN.

11. PACKAGED IN TUBES.

12. HOLES ø1.125±.025[.0453±.0010] DRILL SIZE [0.03–0.08[.001–.003] COPPER PLATING. 0.007[.003]MIN 60/40 TIN LEAD ø0.94–1.09[.037–.043] AFTER PLATING, 0.25[.010] ANNULAR RING BOTH SIDES.

13. TE CONNECTIVITY TRADEMARK AND CSA LOGO ARE MOLDED INTO HOUSING.

14. NO PART NUMBER REQUIRED ON THIS PART.

15. CONTACT: DUPLEX PLATED 0.76µm[.000030] GOLD IN CONTACT AREA, 3.81–7.62µm[.000150–.000300] MATTE TIN ON LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL.

16. ROHS 2002 /95/EC COMPLIANT.

FINISH	D	C	B	A	NO. OF POSN	PART NUMBER
14 15	53.34[2.100]	106.68[4.200]	99.06[3.900]	109.22[4.300]	80	16 9–147102–0
14 15	50.80[2.000]	104.14[4.100]	96.52[3.800]	106.68[4.200]	78	16 8–147102–9
14 15	50.80[2.000]	101.60[4.000]	93.98[3.700]	104.14[4.100]	76	16 8–147102–8
14 15	48.26[1.900]	99.06[3.900]	91.44[3.600]	101.60[4.000]	74	16 8–147102–7
14 15	48.26[1.900]	96.52[3.800]	88.90[3.500]	99.06[3.900]	72	16 8–147102–6
14 15	45.72[1.800]	93.98[3.700]	86.36[3.400]	96.52[3.800]	70	16 8–147102–5
14 15	10	88.90[3.500]	83.82[3.300]	91.44[3.600]	68	16 8–147102–4
14 15	10	86.36[3.400]	81.28[3.200]	88.90[3.500]	66	16 8–147102–3
14 15	10	83.82[3.300]	78.74[3.100]	86.36[3.400]	64	16 8–147102–2
14 15	10	81.28[3.200]	76.20[3.000]	83.82[3.300]	62	16 8–147102–1
14 15	10	78.74[3.100]	73.66[2.900]	81.28[3.200]	60	16 8–147102–0
14 15	10	76.20[3.000]	71.12[2.800]	78.74[3.100]	58	16 7–147102–9
14 15	10	73.66[2.900]	68.58[2.700]	76.20[3.000]	56	16 7–147102–8
14 15	10	71.12[2.800]	66.04[2.600]	73.66[2.900]	54	16 7–147102–7
14 15	10	68.58[2.700]	63.50[2.500]	71.12[2.800]	52	16 7–147102–6
14 15	10	66.04[2.600]	60.96[2.400]	68.58[2.700]	50	16 7–147102–5
14 15	10	63.50[2.500]	58.42[2.300]	66.04[2.600]	48	16 7–147102–4
14 15	10	60.96[2.400]	55.88[2.200]	63.50[2.500]	46	16 7–147102–3
14 15	10	58.42[2.300]	53.34[2.100]	60.96[2.400]	44	16 7–147102–2
14 15	10	55.88[2.200]	50.80[2.000]	58.42[2.300]	42	16 7–147102–1
14 15	10	53.34[2.100]	48.26[1.900]	55.88[2.200]	40	16 7–147102–0
14 15	10	50.80[2.000]	45.72[1.800]	53.34[2.100]	38	16 6–147102–9
14 15	10	48.26[1.900]	43.18[1.700]	50.80[2.000]	36	16 6–147102–8
14 15	10	45.72[1.800]	40.64[1.600]	48.26[1.900]	34	16 6–147102–7
14 15	10	43.18[1.700]	38.10[1.500]	45.72[1.800]	32	16 6–147102–6
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14 15	10	35.56[1.400]	30.48[1.200]	38.10[1.500]	26	16 6–147102–3
14 15	10	33.02[1.300]	27.94[1.100]	35.56[1.400]	24	16 6–147102–2
14 15	10	30.48[1.200]	25.40[1.000]	33.02[1.300]	22	16 6–147102–1
14 15	10	27.94[1.100]	22.86[.900]	30.48[1.200]	20	16 6–147102–0
14 15	10	25.40[1.000]	20.32[.800]	27.94[1.100]	18	16 5–147102–9
14 15	10	22.86[.900]	17.78[.700]	25.40[1.000]	16	16 5–147102–8
14 15	10	20.32[.800]	15.24[.600]	22.86[.900]	14	16 5–147102–7
14 15	10	17.78[.700]	12.70[.500]	20.32[.800]	12	16 5–147102–6
14 15	10	15.24[.600]	10.16[.400]	17.78[.700]	10	16 5–147102–5
14 15	10	12.70[.500]	7.62[.300]	15.24[.600]	8	16 5–147102–4
14 15	10	10.16[.400]	5.08[.200]	12.70[.500]	6	16 5–147102–3
14 15	10	7.62[.300]	2.54[.100]	10.16[.400]	4	16 5–147102–2
14 6 OBSOLETE	15	10	5.08[.200]	–	7.62[.300]	2	16 ~~5–147102–1~~

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0 PLC ± –
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3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL 1

FINISH 2 15

DWN	M.BINNER	06NOV02
CHK	J.OLSON	06NOV02
APVD	J.OLSON	06NOV02
PRODUCT SPEC	108–25022	
APPLICATION SPEC	114–25018	
WEIGHT	–	

TE Connectivity

NAME: RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, SURFACE MOUNT, AMPMODU

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-147102	–

CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 2 | REV N7

Mouser Electronics

Authorized Distributor

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TE Connectivity:

2-147102-0