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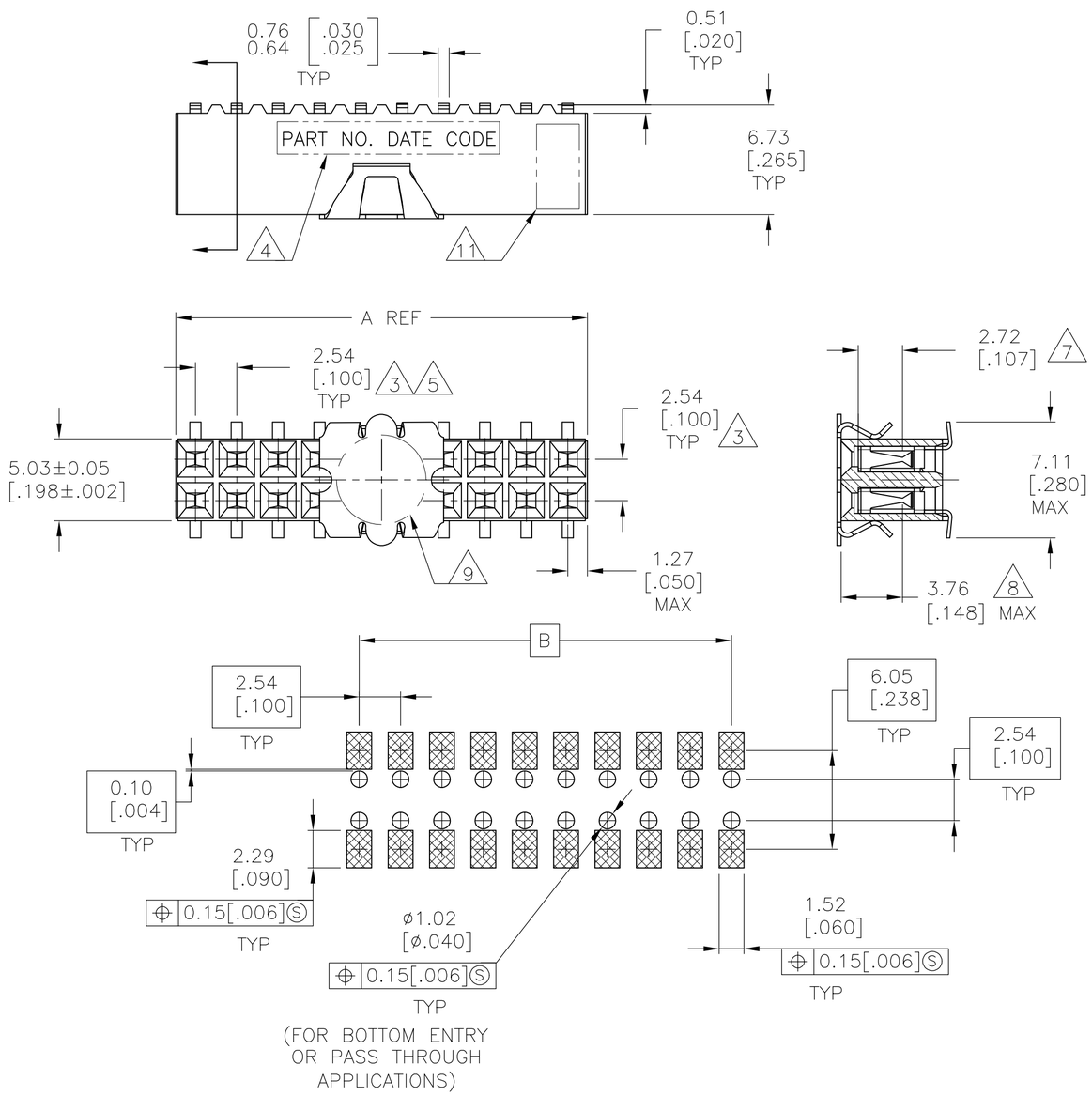
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	J9	REVISED PER ECO-13-005565	01APR13	KH	JO



(FOR BOTTOM ENTRY OR PASS THROUGH APPLICATIONS)

RECOMMENDED PC BOARD LAYOUT

0.20[.008] THICK STENCIL

FOR PART NUMBERS 5-147105-1 THRU 9-147105-0
SEE SHEET 2

FINISH	EIA TAPE WIDTH	B	A	NO.OF POSN.	PART NUMBER
	120mm	99.06[3.900]	101.60[4.000]	80	4-147105-0
		96.52[3.800]	99.06[3.900]	78	3-147105-9
		93.98[3.700]	96.52[3.800]	76	3-147105-8
		91.44[3.600]	93.98[3.700]	74	3-147105-7
		88.90[3.500]	91.44[3.600]	72	3-147105-6
		86.36[3.400]	88.90[3.500]	70	3-147105-5
		83.82[3.300]	86.36[3.400]	68	3-147105-4
		81.28[3.200]	83.82[3.300]	66	3-147105-3
		78.74[3.100]	81.28[3.200]	64	3-147105-2
		76.20[3.000]	78.74[3.100]	62	3-147105-1
		~~73.66[2.900]~~	~~76.20[3.000]~~	~~60~~	~~3-147105-0~~
		71.12[2.800]	73.66[2.900]	58	2-147105-9
		68.58[2.700]	71.12[2.800]	56	2-147105-8
	88mm	66.04[2.600]	68.58[2.700]	54	2-147105-7
		63.50[2.500]	66.04[2.600]	52	2-147105-6
		60.96[2.400]	63.50[2.500]	50	2-147105-5
		58.42[2.300]	60.96[2.400]	48	2-147105-4
		55.88[2.200]	58.42[2.300]	46	2-147105-3
		~~53.34[2.100]~~	~~55.88[2.200]~~	~~44~~	~~2-147105-2~~
	72mm	50.80[2.000]	53.34[2.100]	42	2-147105-1
		48.26[1.900]	50.80[2.000]	40	2-147105-0
		45.72[1.800]	48.26[1.900]	38	1-147105-9
		~~43.18[1.700]~~	~~45.72[1.800]~~	~~36~~	~~1-147105-8~~
		40.64[1.600]	43.18[1.700]	34	1-147105-7
		38.10[1.500]	40.64[1.600]	32	1-147105-6
		~~35.56[1.400]~~	~~38.10[1.500]~~	~~30~~	~~1-147105-5~~
		33.02[1.300]	35.56[1.400]	28	1-147105-4
	44mm	30.48[1.200]	33.02[1.300]	26	1-147105-3
		27.94[1.100]	30.48[1.200]	24	1-147105-2
		25.40[1.000]	27.94[1.100]	22	1-147105-1
		22.86[.900]	25.40[1.000]	20	1-147105-0
		20.32[.800]	22.86[.900]	18	147105-9
		17.78[.700]	20.32[.800]	16	147105-8
		15.24[.600]	17.78[.700]	14	147105-7
		12.70[.500]	15.24[.600]	12	147105-6
		10.16[.400]	12.70[.500]	10	147105-5
		7.62[.300]	10.16[.400]	8	147105-4
		5.08[.200]	7.62[.300]	6	147105-3
		2.54[.100]	5.08[.200]	4	147105-2
OBSOLETE	~~24mm~~	-	~~2.54[.100]~~	~~2~~	~~147105-1~~

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

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

MATERIAL 1

FINISH SEE TABLE

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-147105	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV J9

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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 CONNECTIVITY 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. PACKAGED IN TAPE & REEL PER EIA 481 SPECIFICATION.
11. TE CONNECTIVITY TRADEMARK AND CSA LOGO ARE MOLDED INTO HOUSING.
12. NO PART NUMBER REQUIRED ON THIS PART.
13. CONTACT: DUPLEX PLATE CONNECTIVITYD 0.76µm[.000030] GOLD IN CONTACT AREA, 3.81–7.62µm[.000150–.000300] MATTE TIN ON LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL.
14. ROHS 2002/95/EC COMPLIANT.
15. SUPERRSEDED BY 6–147105–5
16. SUPERRSEDED BY 6–147105–8
17. SUPERRSEDED BY 7–147105–2
18. SUPERRSEDED BY 8–147105–0

FINISH	EIA TAPE WIDTH	B	A	NO.OF POSN.	PART NUMBER
	120mm	99.06[3.900]	101.60[4.000]	80	9–147105–0
		96.52[3.800]	99.06[3.900]	78	8–147105–9
		93.98[3.700]	96.52[3.800]	76	8–147105–8
		91.44[3.600]	93.98[3.700]	74	8–147105–7
		88.90[3.500]	91.44[3.600]	72	8–147105–6
		86.36[3.400]	88.90[3.500]	70	8–147105–5
		83.82[3.300]	86.36[3.400]	68	8–147105–4
		81.28[3.200]	83.82[3.300]	66	8–147105–3
		78.74[3.100]	81.28[3.200]	64	8–147105–2
		76.20[3.000]	78.74[3.100]	62	8–147105–1
		73.66[2.900]	76.20[3.000]	60	8–147105–0
		71.12[2.800]	73.66[2.900]	58	7–147105–9
		68.58[2.700]	71.12[2.800]	56	7–147105–8
	88mm	66.04[2.600]	68.58[2.700]	54	7–147105–7
		63.50[2.500]	66.04[2.600]	52	7–147105–6
		60.96[2.400]	63.50[2.500]	50	7–147105–5
		58.42[2.300]	60.96[2.400]	48	7–147105–4
		55.88[2.200]	58.42[2.300]	46	7–147105–3
		53.34[2.100]	55.88[2.200]	44	7–147105–2
13	72mm	50.80[2.000]	53.34[2.100]	42	7–147105–1
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		20.32[.800]	22.86[.900]	18	5–147105–9
		17.78[.700]	20.32[.800]	16	5–147105–8
		15.24[.600]	17.78[.700]	14	5–147105–7
		12.70[.500]	15.24[.600]	12	5–147105–6
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12		7.62[.300]	10.16[.400]	8	5–147105–4
12		5.08[.200]	7.62[.300]	6	5–147105–3
12		2.54[.100]	5.08[.200]	4	5–147105–2
12 6 OBSOLETE	~~24mm~~	~~–~~	~~2.54[.100]~~	~~2~~	~~5–147105–1~~

147105

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1 PLC ± –
2 PLC ± .005[0.13]
3 PLC ± –
4 PLC ± –
ANGLES ± –

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FINISH SEE TABLE

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CHK J.OLSON 06NOV02
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PRODUCT SPEC —
APPLICATION SPEC 108–25022
WEIGHT 114–25018

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-147105	—

CUSTOMER DRAWING SCALE 1:1 SHEET 2 OF 2 REV J9

Mouser Electronics

Authorized Distributor

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TE Connectivity:

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