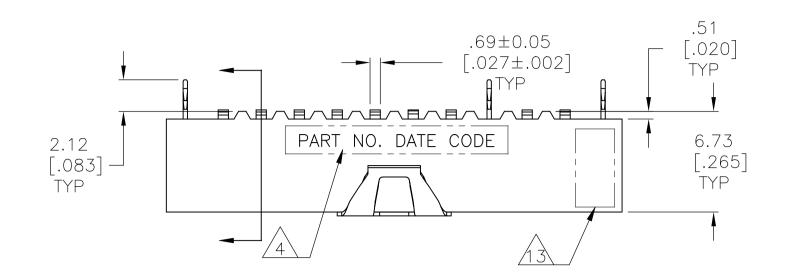
REVISIONS

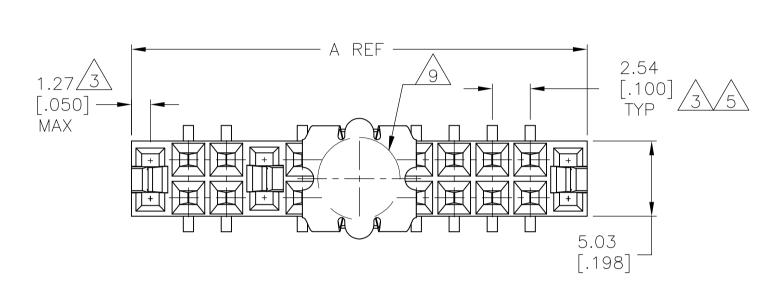
P LTR DESCRIPTION DATE DWN APVD

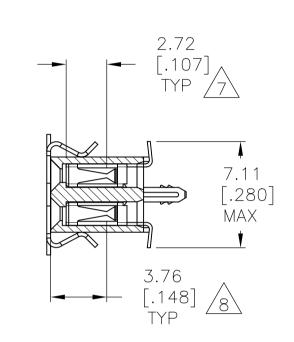
N9 DRAWING REACTIVATED 08AUG2018 KJK PS

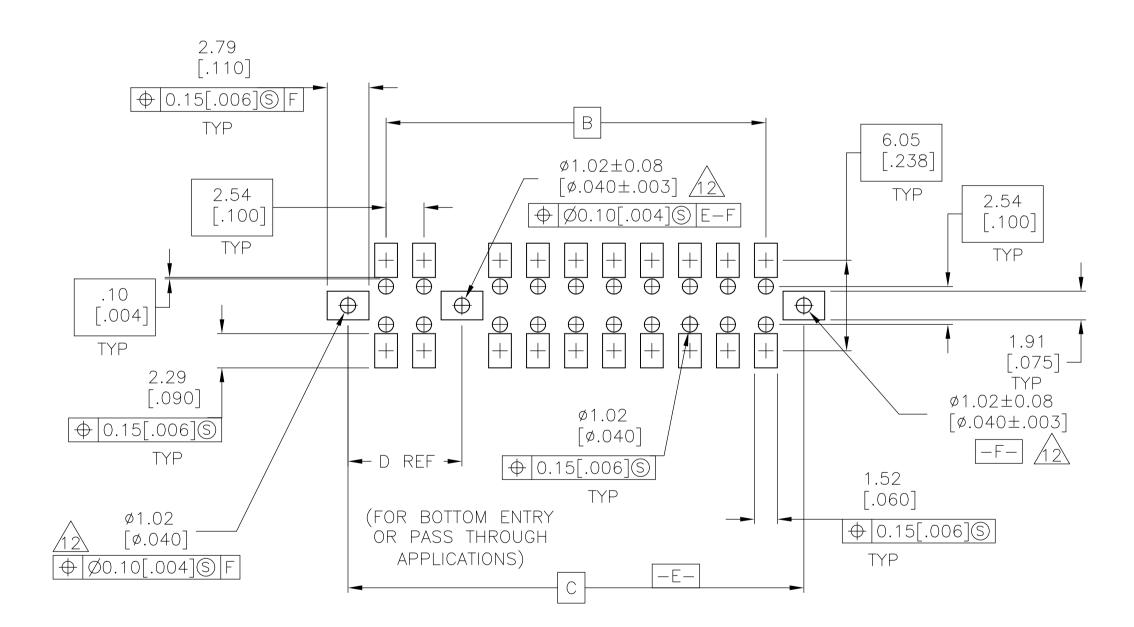


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4805 (1/15)







RECOMMENDED PC BOARD LAYOUT 0.20[.008] THICK STENCIL

| | FINISH | | | В | \land | NO.OF POSN. | PART NUMBER |
|----------------|--------|--------------|------------------------------|------------------------------|------------------------------|----------------|-------------------------------|
| OBSOLETE | 2 | 10 | 5.08[.200] | _ | 7.62[.300] | 2 | 147102-1 |
| 14 14 14 | 2 | | 7.62[.300] | 2.54[.100] | 10.16[.400] | 4 | 147102-2 |
| | 2 | | 10.16[.400] | 5.08[.200] | 12.70[.500] | 6 | 147102-3 |
| | 2 | | 12.70[.500] | 7.62[.300] | 15.24[.600] | 8 | 147102-4 |
| | 2 | 10 | 15.24[.600] | 10.16[.400] | 17.78[.700] | 10 | 147102-5 |
| | 2 | 10 | 17.78[.700] | 12.70[.500] | 20.32[.800] | 12 | 147102-6 |
| OBSOLETE | 2 | 10 | 20.32[.800] | 15.24[.600] | 22.86[.900] | 14 | 147102-7 |
| | 2 | 10 | 22.86[.900] | 17.78[.700] | 25.40[1.000] | 16 | 147102-8 |
| | 2 | 10 | 25.40[1.000] | 20.32[.800] | 27.94[1.100] | 18 | 147102-9 |
| | 2 | 10 | 27.94[1.100] | 22.86[.900] | 30.48[1.200] | 20 | 1-147102- |
| | 2 | 10 | 30.48[1.200] | 25.40[1.000] | 33.02[1.300] | 22 | 1-147102- |
| SUPERSEDED | /2 | 10 | 33.02[1.300] | 27.94[1.100] | 35.56[1.400] | 24 | 1-147102- |
| | 2 | 7103 | 35.56[1.400] | 30.48[1.200] | 38.10[1.500] | 26 | 1-147102- |
| OBSOLETE | /2 | 10 | 38.10[1.500] | 33.02[1.300] | 40.64[1.600] | 28 | 1-147102- |
| | /2 | 7103 | 40.64[1.600] | 35.56[1.400] | | 30 | 1-147102- |
| SUPERSEDED | /2 | 700 | 43.18[1.700] | 38.10[1.500] | 45.72[1.800] | 32 | 1-147102- |
| | /2 | 10 | 45.72[1.800] | 40.64[1.600] | 48.26[1.900] | 34 | 1-147102- |
| | /2\ | /10\ | 48.26[1.900] | 43 18[1 700] | 50.80[2.000] | 36 | 1-147102- |
| | /2\ | /10\ | 50.80[2.000] | 45 72[1.300] | 53.34[2.100] | 38 | 1-147102- |
| | /2\ | /10\ | 53.34[2.100] | 48.26[1.900] | 55.88[2.200] | 40 | 2-147102- |
| | /2 | /10 | 55.88[2.200] | 50.80[2.000] | 58.42[2.300] | 42 | 2-147102- |
| | /2\ | | 58.42[2.300] | 53.34[2.100] | 60.96[2.400] | 44 | 2-147102 |
| | /2 | 10\ | 60.96[2.400] | 55.88[2.200] | 63.50[2.500] | 46 | 2-147102- |
| | /2 | <u>/10\</u> | 63.50[2.500] | 58.42[2.300] | 66.04[2.600] | 48 | 2-147102- |
| | ^2 | 10 | 66.04[2.600] | 60.96[2.400] | 68.58[2.700] | 50 | 2-147102- |
| | /2\ | /10\ | 68.58[2.700] | 63.50[2.500] | 71.12[2.800] | 52 | 2-147102- |
| | /2\ | /10\ | 71.12[2.800] | 66.04[2.600] | 73.66[2.900] | 54 | 2-147102- |
| | /2\ | 10 | 73.66[2.900] | 68.58[2.700] | 76.20[3.000] | 56 | 2-147102- |
| OBSOLETE | /2\ | 40 | 76.20[3.000] | 71.12[2.800] | 78.74[3.100] | 58 | 2-147102- |
| | /2\ | <u>/10\</u> | 78.74[3.100] | 73.66[2.900] | 81.28[3.200] | 60 | 3-147102- |
| | /2\ | <u>/10\</u> | 81.28[3.200] | 78.74[3.100] 76.20[3.000] | 83.82[3.300] | 62 | 3-147102- |
| | /2\ | <u>/10\</u> | 83.82[3.300] | 70 71[7 100] | 86.36[3.400] | 64 | <u>3-147102-</u> 3-147102- |
| | /2\ | <u>/10\</u> | 86.36[3.400] | 83.82[3.300] 81.28[3.200] | 91.44[3.600] 88.90[3.500] | 68 | 3-147102- |
| | /2\ | 45.72[1.800] | 93.98[3.700] 88.90[3.500] | 86.36[3.400] | | | 3-147102- |
| | /2\ | 48.26[1.900] | | | 99.06[3.900] 96.52[3.800] | 70 | 3-147102- |
| | /2\ | 48.26[1.900] | 96.52[3.800] | 88.90[3.500] | | 72 | 3-147102- |
| | /2\ | 50.80[2.000] | 99.06[3.900] | 93.90[3.700] | 101.60[4.000] | 74 | 3-147102- |
| | /2\ | 50.80[2.000] | 104.14[4.100] | 96.52[3.800] | 106.68[4.200] | 78 | 3-147102 |
| | /2\ | 53.34[2.100] | 106.68[4.200] | 99.06[3.900] | 109.22[4.300] | 80 | 4-147102- |

REVISIONS DESCRIPTION - SEE SHEET 1 HOUSING: FLAME RETARDANT, GLASS FILLED, POLYESTER, COLOR: BLACK. CONTACT: PHOSPHOR BRONZE VACUUM COVER: STAINLESS STEEL CONTACT: DUPLEX PLATED 0.76µm[.000030] GOLD IN CONTACT AREA, $3.81-7.62 \mu m$ [.000150-.000300] BRIGHT TIN-LEAD ON, LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL THESE DIMENSIONS PERTAIN TO CAVITIY CENTERLINES ONLY NOT TO CONTACT LOACATIONS MARK PART NUMBER AND DATE CODE IN APPROXIMATE LOCATION SHOWN, EITHER SIDE. TOLERANCE IS NON-CUMULATIVE. 2 POSITION DATE CODE IS MARKED OPPOSITE SIDE OF TE LOGO. POINT OF MEASUREMENT DIMENSION FOR PLATING THICKNESS (INSIDE CONTACT BEAM). POINT-OF-CONTACT DIMENSION. Ø5.51[.217] MIN TARGET AREA FOR VACUUM PICK UP. COVER TO BE REMOVED AFTER SOLDERING. NO CENTER HOLD DOWN. 11. PACKAGED IN TUBES. HOLES Ø1.125±.025[.0453±.0010] DRILL SIZE [0.03-0.08[.001-.003] COPPER PLATING. 0.007[.003]MIN 60/40 TIN LEAD $\emptyset 0.94-1.09[.037-.043]$ AFTER PLATING, 0.25[.010] ANNULAR RING BOTH SIDES. | 53.34[2.100]|106.68[4.200]|99.06[3.900]|109.22[4.300]| 80 | 🛕 9-147102-0 TE CONNECTIVITY TRADEMARK AND CSA LOGO ARE MOLDED 104.14[4.100] | 96.52[3.800] | 106.68[4.200] 78 | 18 | 8-147102-9 INTO HOUSING. 101.60[4.000] 93.98[3.700] 104.14[4.100] $76 \mid \cancel{1} \land 8 - 147102 - 8$ 48.26[1.900 74 | 16 8-147102-NO PART NUMBER REQUIRED ON THIS PART. 48.26[1.900 88.90[3.500] 99.06[3.900 $72 \mid 16 \mid 8-147102-6$ 70 | 16 8-147102-CONTACT: DUPLEX PLATED 0.76 mm[.000030] GOLD IN 88.90[3.500] | 83.82[3.300] | 91.44[3.600] 68 / 18 - 147102 - 4 CONTACT AREA, 3.81-7.62µm[.000150-.000300] MATTE TIN 86.36[3.400] 81.28[3.200] 88.90[3.500] 66 🖟 8-147102-3 ON LEADS, ALL OVER 1.27µm[.000050] MINIMUM NICKEL. 83.82[3.300] | 78.74[3.100] | 86.36[3.400] | 64 | 🗚 8-147102-2 81.28[3.200] 76.20[3.000] 83.82[3.300] 62 🛕 8-147102-16 ROHS 2002 /95/EC COMPLIANT. $60 \mid \cancel{1} \land 8 - 147102 - 0$ 76.20[3.000] |71.12[2.800]| 78.74[3.100]| 58 | 🏡 7-147102-9 76.20[3.000] | 71.12[2.800] |66.04[2.600]| 73.66[2.900]| 54 | 🗥 7-147102-⁻⁻ 68.58[2.700] |63.50[2.500] | 71.12[2.800] | 52 | 16 7-147102-6 66.04[2.600] | 60.96[2.400] 68.58[2.700] 50 | 12 7-147102-5 63.50[2.500] | 58.42[2.300] | 66.04[2.600 48 | 16 7-147102-4 7-147102-3 58.42[2.300] 53.34[2.100] 60.96[2.400 44 | 16 | 7-147102-242 /6 53.34[2.100] 48.26[1.900] 55.88[2.200] 40 | 16 7 - 147102 - 050.80[2.000] | 45.72[1.800] 53.34[2.100] $38 \mid 16 \quad 6-147102-9$ $36 \mid 16 \mid 6-147102-8$ 45.72[1.800] | 40.64[1.600] $32 \mid 1666 - 147102 - 666$ $30 \mid 16 \quad 6-147102-5$ 40.64[1.600] 35.56[1.400] | 30.48[1.200] | 38.10[1.500] | $26 \mid \cancel{1} \land 6 - 147102 - 3$ 33.02[1.300] 27.94[1.100] 35.56[1.400] 24 🖟 6-147102-2 6-147102-30.48 | 1.200 | 17.78|.700| 22.86[.900 20.32[.800] 15.24 .600 $14 \mid 16 \mid 5-147102-11$ $12 \mid \bigwedge 5 - 147102 - 6$ 17.78[.700] 10.16[.400] 10 | 16 5-147102-15.24[.600] 12.70[.500] 7.62[.300] 15.24[.600 $8 \mid \sqrt{6} \quad 5 - 147102 - 4$ 5.08[.200] 12.70 .500 $6 \mid 6 \mid 5-147102-3$ 10.16[.400] 2.54[.100] 10.16[.400 7.62[.300] 14 15 14 OBSOLETE 15 7.62[.300] 2 5 147102 5.08[.200] BFINISH NUMBER THIS DRAWING IS A CONTROLLED DOCUMENT. DWN M.BINNER **STE** TE Connectivity Ltd. 06NOV02 TOLERANCES UNLESS OTHERWISE SPECIFIED: mm [INCHES] RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, SMT ± -± 0.13[.005] SIZE CAGE CODE DRAWING NO 114-25018 JSTOMER DRAWING 4805 (1/15)

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