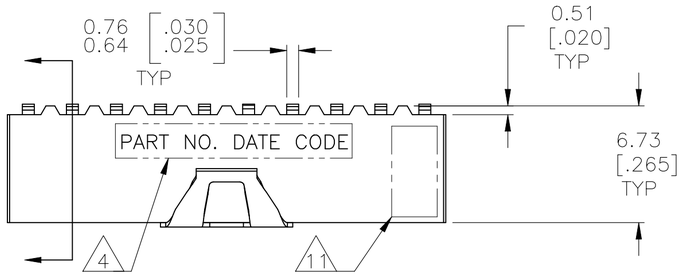
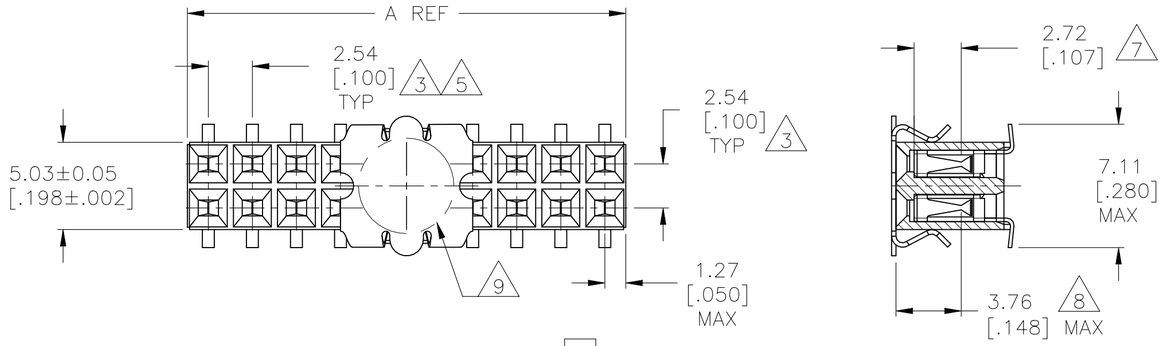
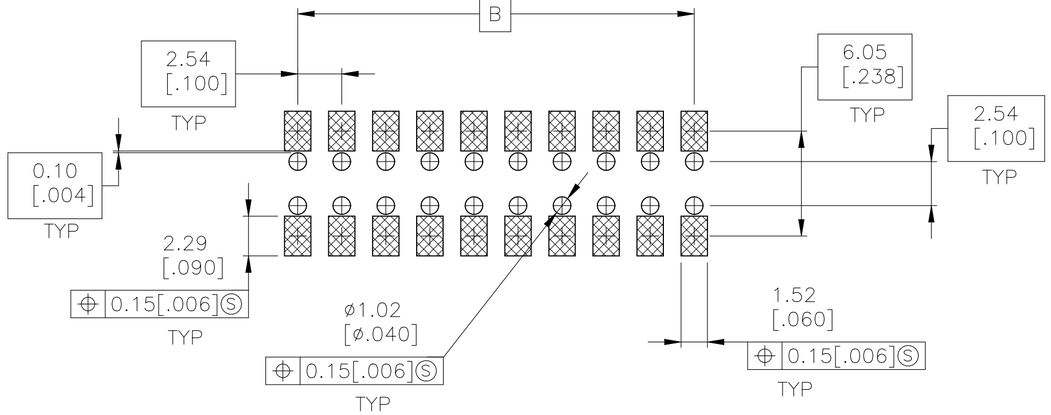
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | K | RESIN SUPPLIER CHANGE FOR THE HOUSING | 03DEC2021 | SCB | KJK |










(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~~ |
| | | 50.80[2.000] | 53.34[2.100] | 42 | 2–147105–1 |
| | 72mm | 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 |
| | | 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 |
| | 44mm | 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 |
| | ~~24mm~~ | – | ~~2.54[.100]~~ | ~~2~~ | ~~147105–1~~ |

18 17 2 16 15 12 12 12 12 12 6 OBSOLETE

147105

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 | 108–25022 | |
| APPLICATION SPEC | 114–25018 | |
| WEIGHT | – | |

TE Connectivity Ltd.

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 K

| 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 |
| | | 48.26[1.900] | 50.80[2.000] | 40 | 7–147105–0 |
| △14 | | 45.72[1.800] | 48.26[1.900] | 38 | 6–147105–9 |
| | | 43.18[1.700] | 45.72[1.800] | 36 | 6–147105–8 |
| | | 40.64[1.600] | 43.18[1.700] | 34 | 6–147105–7 |
| | | 38.10[1.500] | 40.64[1.600] | 32 | 6–147105–6 |
| | | 35.56[1.400] | 38.10[1.500] | 30 | 6–147105–5 |
| | | 33.02[1.300] | 35.56[1.400] | 28 | 6–147105–4 |
| | 44mm | 30.48[1.200] | 33.02[1.300] | 26 | 6–147105–3 |
| | | 27.94[1.100] | 30.48[1.200] | 24 | 6–147105–2 |
| | | 25.40[1.000] | 27.94[1.100] | 22 | 6–147105–1 |
| | | 22.86[.900] | 25.40[1.000] | 20 | 6–147105–0 |
| | | 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 |
| △12 | | 10.16[.400] | 12.70[.500] | 10 | 5–147105–5 |
| △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~~ |

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 108–25022
APPLICATION SPEC 114–25018
WEIGHT –

TE Connectivity Ltd.

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 K

147105

# Mouser Electronics

Authorized Distributor

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TE Connectivity:

2-147105-0