

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" MAX | DIM "B" | PTH ϕ |
|-----------------|--------------|----------------|-------------|---------|-----------------|
| 76560-11** | 10 | 60 | 19.00 | 17.10 | 0.46 \pm 0.05 |
| 76560-17** | 14 | 84 | 26.60 | 24.70 | 0.46 \pm 0.05 |
| 76560-16** | 16 | 96 | 30.40 | 28.50 | 0.46 \pm 0.05 |
| 76560-11** | 10 | 60 | 19.00 | 17.10 | 0.39 \pm 0.05 |
| 76560-17** | 14 | 84 | 26.60 | 24.70 | 0.39 \pm 0.05 |
| 76560-16** | 16 | 96 | 30.40 | 28.50 | 0.39 \pm 0.05 |

76560-****

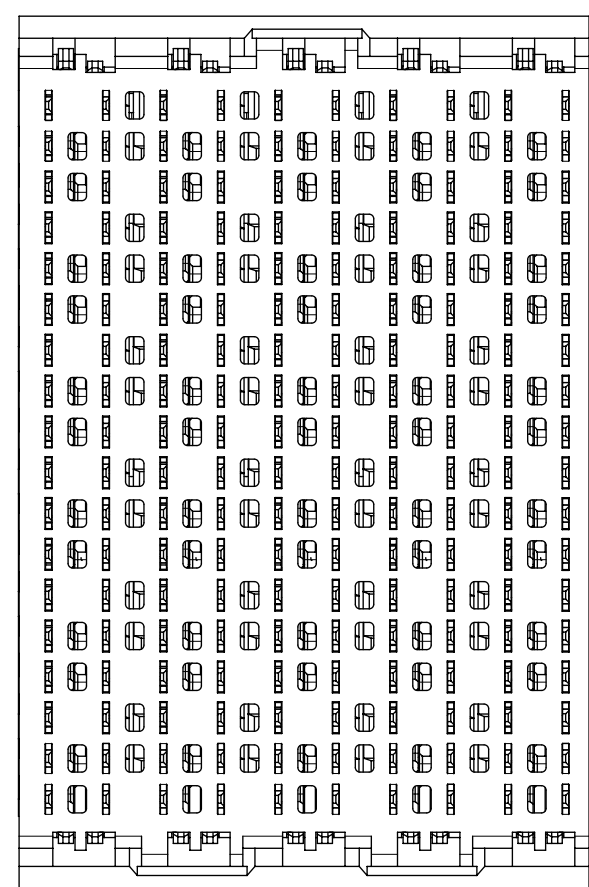
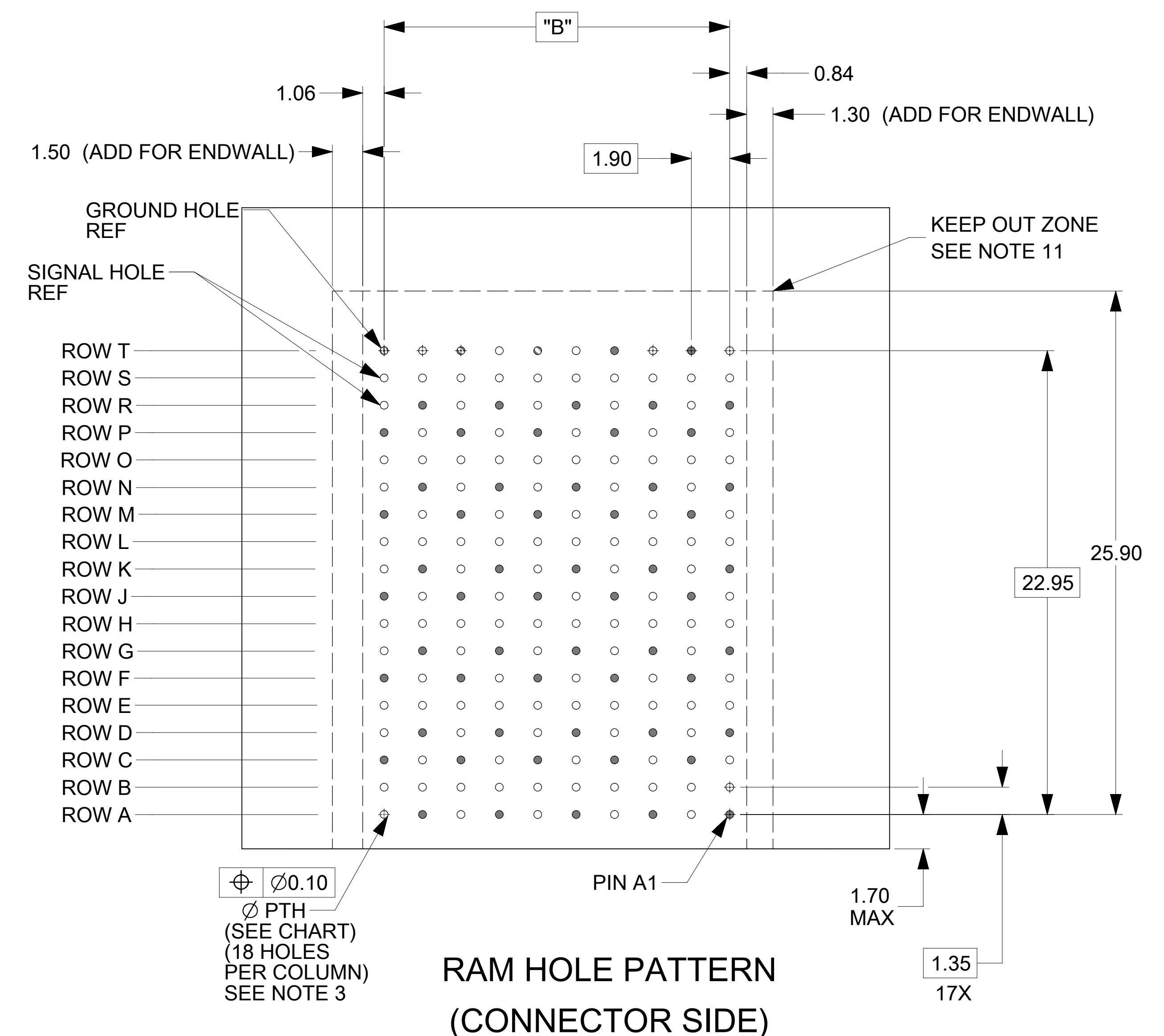
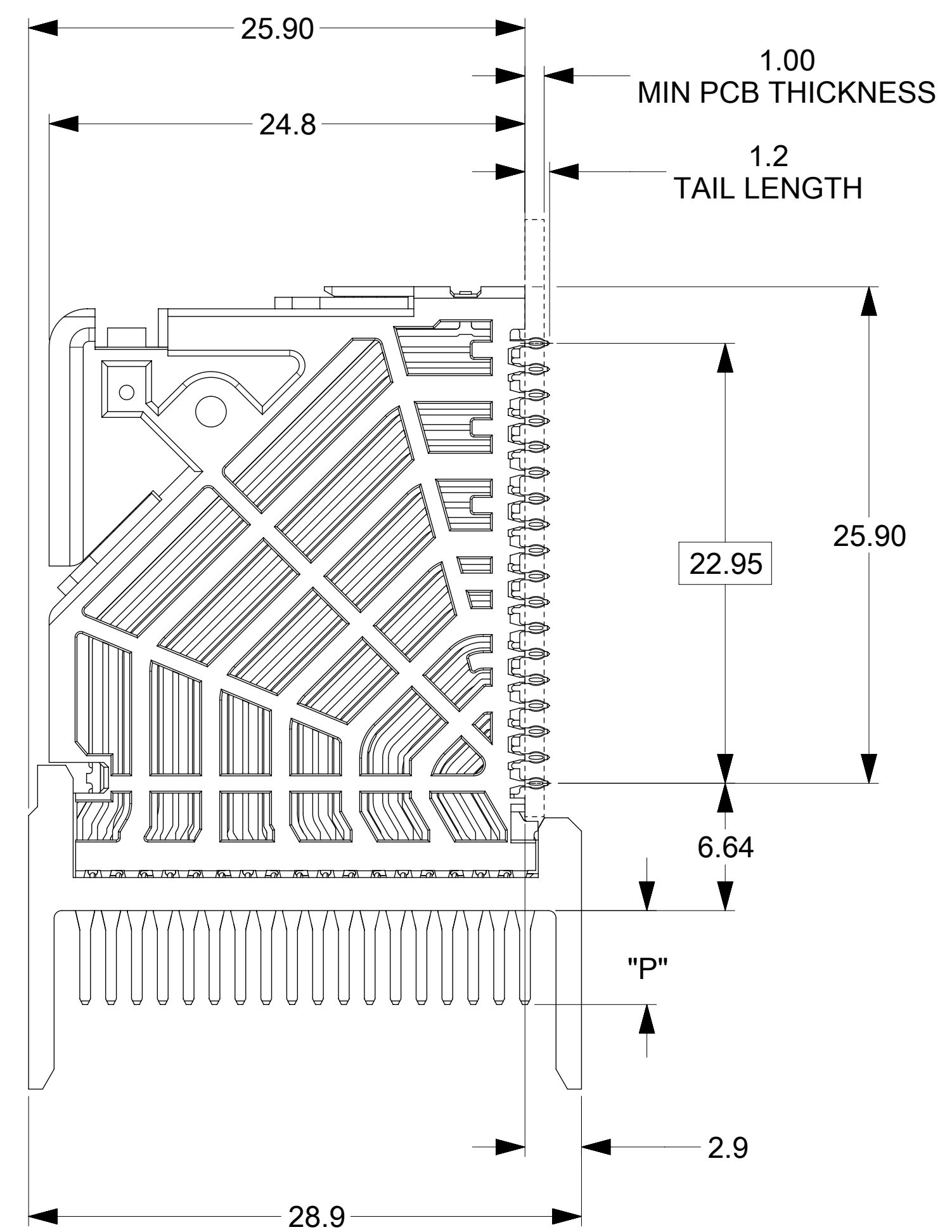
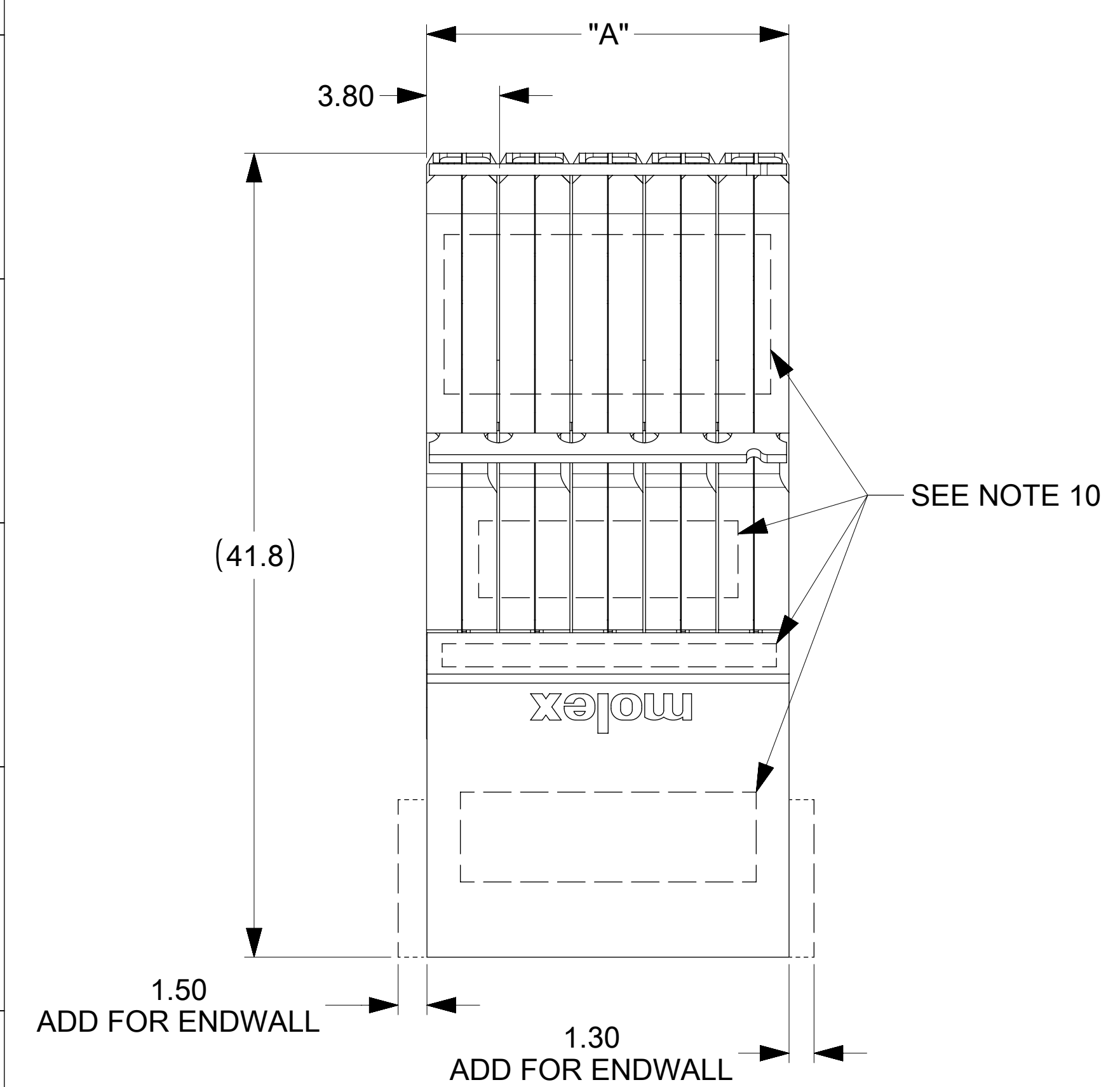
MODULE TYPE
1 = UNGUIDED, LEAD-FREE

PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.39 PTH)
8 = 5.50 (0.39 PTH)

OF COLUMNS
1 = 10 COLUMNS
6 = 16 COLUMNS
7 = 14 COLUMNS

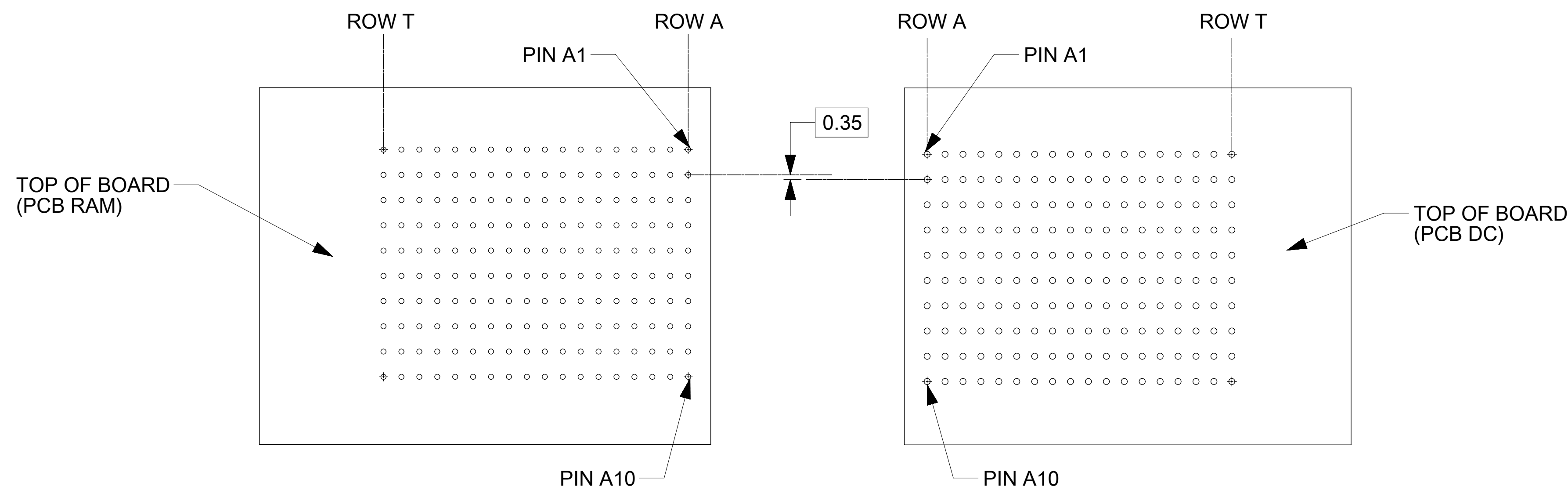
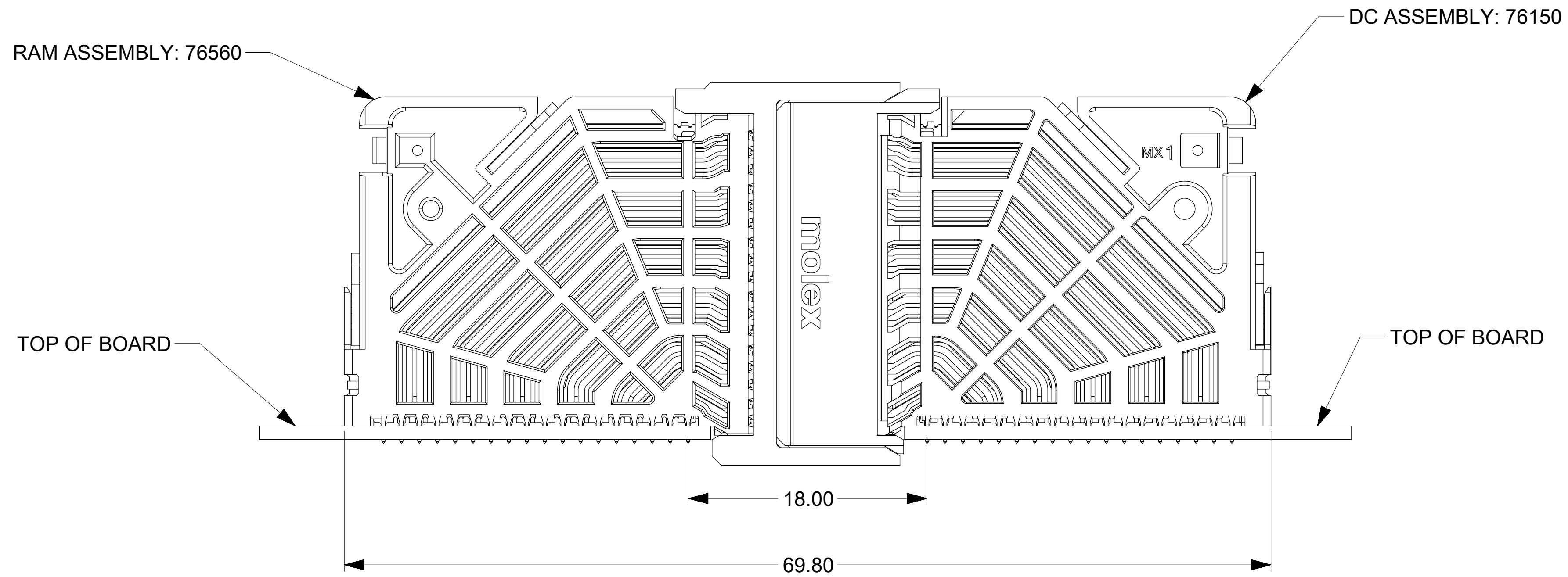
END WALL OPTIONS
0 = OPEN
1 = LEFT END WALL
2 = DUAL END WALL
3 = RIGHT END WALL

- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 - FINISH: 30 μ M SELECTIVE GOLD IN CONTACT AREA, SELECTIVE TIN ON PCB TAILS, NICKEL OVERALL.
 - REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
 - EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
 - PRODUCT IS PACKAGED PER PK-70873-777.
 - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
 - REFER TO MOLEX SALES DRAWING SD-76150-001 FOR THE MATING RECEPTACLES.
 - REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
 - OPEN WALL VERSION SHOWN FOR CLARITY. SEE PCB LAYOUT FOR OVERALL LENGTH ADDITION ON THE ASSEMBLIES WITH ENDWALLS.
 - MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.
 - THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PCB. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR.

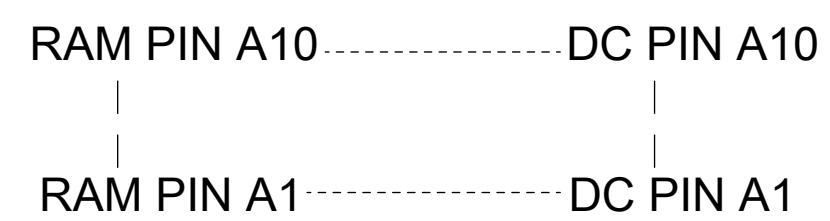


| | | | |
|-----------------|---|-----------------|--|
| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | DIMENSION UNITS | SCALE | CURRENT REV DESC: CORRECT PIN CALLOUTS |
| $\nabla = 0$ | mm | 4:1 | |
| $\nabla = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| $\nabla = 0$ | ANGULAR TOL \pm 0.5° | | |
| $\nabla = 0$ | 4 PLACES | \pm | EC NO: 607222 |
| $\nabla = 0$ | 3 PLACES | \pm | DRWN: DVARVARA 2018/11/06 |
| $\nabla = 0$ | 2 PLACES | \pm 0.13 | CHK'D: DMORGAN 2018/11/06 |
| $\nabla = 0$ | 1 PLACE | \pm 0.25 | APPR: DMORGAN 2018/11/06 |
| $\nabla = 0$ | 0 PLACES | \pm | INITIAL REVISION: |
| $\nabla = 0$ | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | |
| $\nabla = 0$ | THIRD ANGLE PROJECTION | DRAWING | SERIES |
| | | D-SIZE | 76560 |
| DOCUMENT STATUS | | DOCUMENT NUMBER | DOC TYPE |
| P1 | RELEASE DATE | SD-76560-9001 | PSD |
| 2018/11/06 | 21:57:25 | DOC PART | 001 |
| | | REVISION | A2 |
| | | MATERIAL NUMBER | CUSTOMER |
| | | SEE TABLE | GENERAL MARKET |
| | | SHEET NUMBER | |
| | | 1 OF 2 | |

COPLANER APPLICATION



COPLANER MATED SIGNAL PATHS

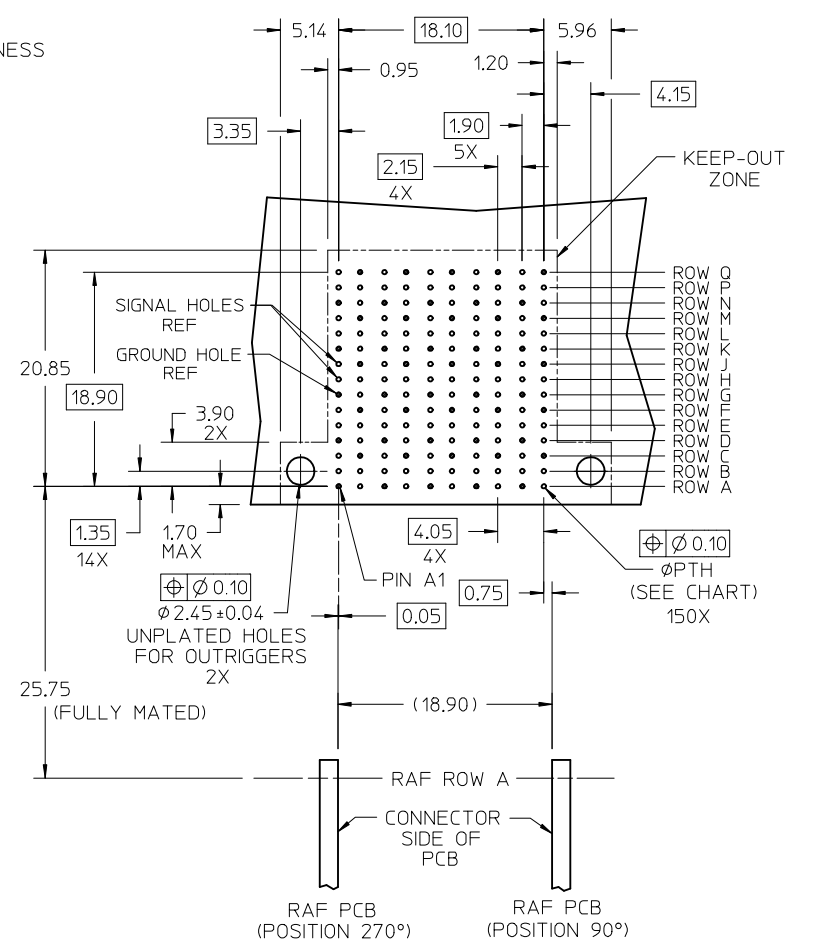
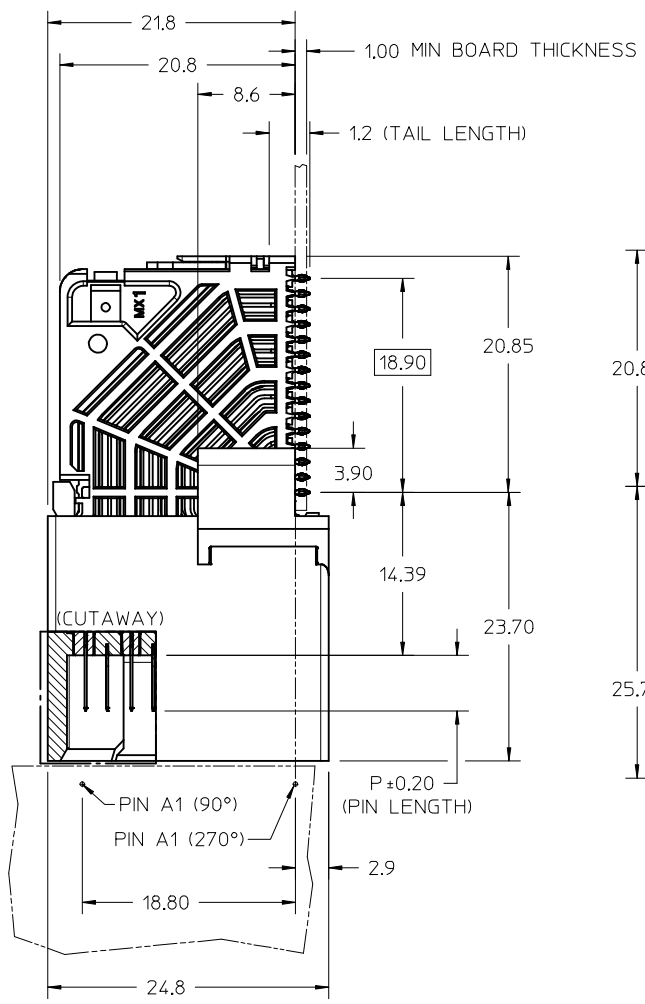
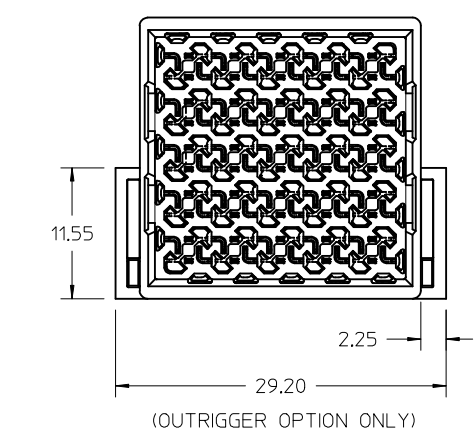
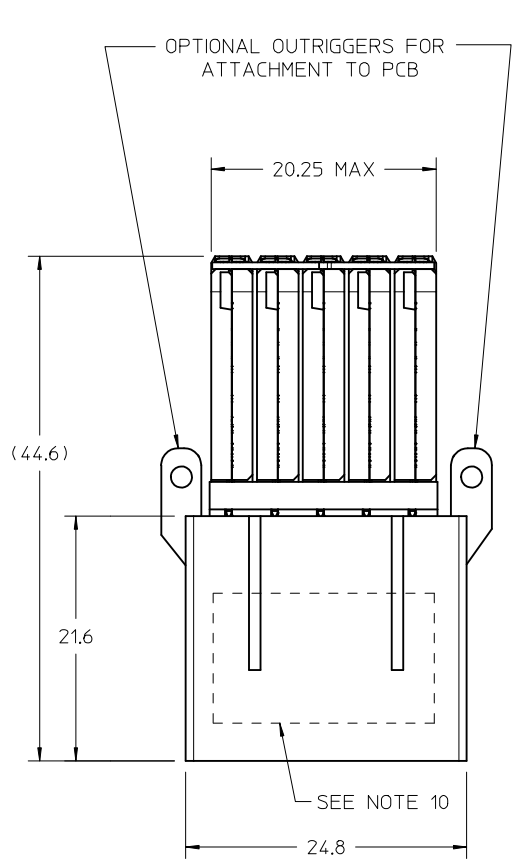


| | | | |
|---------|---|---------|--|
| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | DIMENSION UNITS | SCALE | CURRENT REV DESC: CORRECT PIN CALLOUTS |
| ▽ = 0 | mm | 4:1 | EC NO: 607222 DRWN: DVARVARA 2018/11/06 CHK'D: DMORGAN 2018/11/06 APPR: DMORGAN 2018/11/06 INITIAL REVISION: DRWN: JGONZALEZ01 2014/11/24 2016/01/10 APPR: TELO |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| ▽ = 0 | ANGULAR TOL ± 0.5° | | |
| ▽ = 0 | 4 PLACES | ± | |
| ▽ = 0 | 3 PLACES | ± | |
| ▽ = 0 | 2 PLACES | ± 0.13 | DOCUMENT NUMBER SD-76560-9001 DOC TYPE PSD DOC PART 001 REVISION A2 |
| ▽ = 0 | 1 PLACE | ± 0.25 | |
| ▽ = 0 | 0 PLACES | ± | MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 2 OF 2 |
| ▽ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | |
| ▽ = 0 | THIRD ANGLE PROJECTION | DRAWING | SERIES |
| ▽ = 0 | | D-SIZE | 76560 |

molex

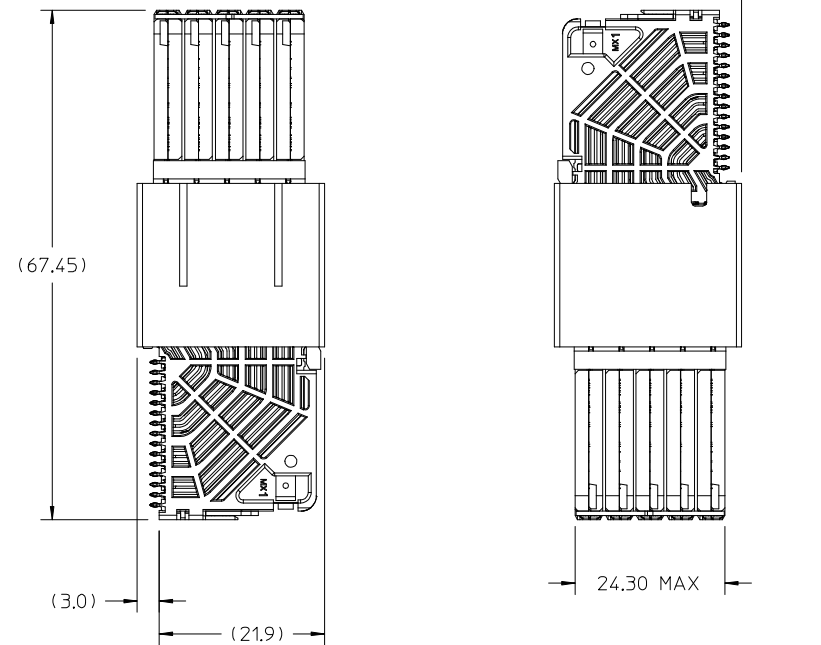
IMPACT 6 PAIR RAM
MARRIED - UNGUIDED SALES DRAWING

PRODUCT CUSTOMER DRAWING



OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

| | | | | | | | | | |
|--|-------------------------------|---------------------------------------|----------------------|--|----------------------|-------------------------------|------------------------|---|--|
| UPDATE TP. LASER MARK EC NO: UCP2016-3973 DRWNG:VARVARA 2015/08/24 CHKD:TELO 2016/02/22 APPR:TELO 2016/04/20 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 3:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | 2 PLACES ± 0.13 ± --- | 1 PLACE ± 0.25 ± --- | DRAWN BY JMENDOZA | DATE 2011/04/11 | TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM ASSEMBLY UNGUIDED SALES DRAWING | |
| | | ANGULAR ± 1/2° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | CHECKED BY JB INGHAM | DATE 2011/04/12 | MOLEX INCORPORATED | |
| | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-76725-001 | | SHEET NO. 1 OF 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

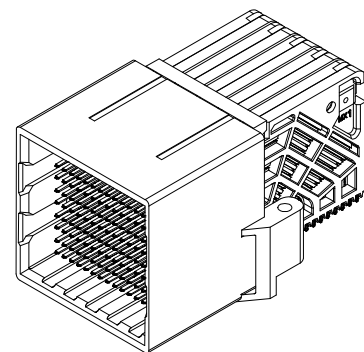
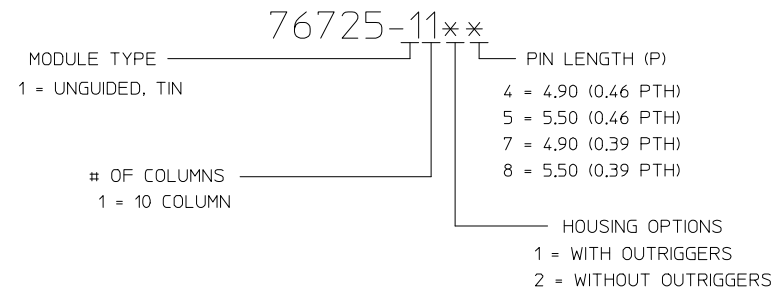


MATED DIMENSIONS
(POSITION 270° SHOWN, WITHOUT OUTRIGGERS)

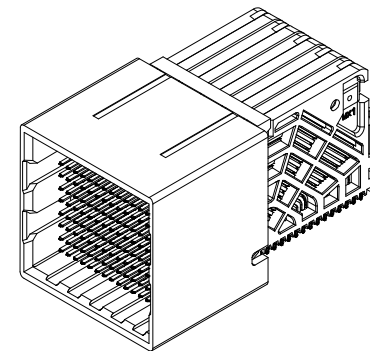
NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30μ MIN GOLD IN CONTACT AREA.
SELECTIVE TIN ON PCB TAILS.
NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPEC PS-45499-002.
5. PACKAGE PER: PK-70873-8010.
6. SEE SHEET 3 AND 4 FOR ORTHOGONAL PIN MAPPING.
7. REFER TO MOLEX SALES DRAWING SD-76990-001 FOR THE MATING RECEPTACLES.
8. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT
AND ROUTING RECOMMENDATIONS.
9. CONNECTORS WITH OUTRIGGERS ARE SUPPLIED WITH TWO 2-32 THREAD
FORMING SCREWS.
10. MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP OF THE
HOUSING. PART NUMBER AND DATE CODE.

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM P | PTH ϕ |
|-----------------|--------------|----------------|-------|------------|
| 76725-11*4 | 10 | 50 | 4.90 | 0.46±0.05 |
| 76725-11*5 | 10 | 50 | 5.50 | 0.46±0.05 |
| 76725-11*7 | 10 | 50 | 4.90 | 0.39±0.05 |
| 76725-11*8 | 10 | 50 | 5.50 | 0.39±0.05 |



OD-RAM WITH OUTRIGGERS

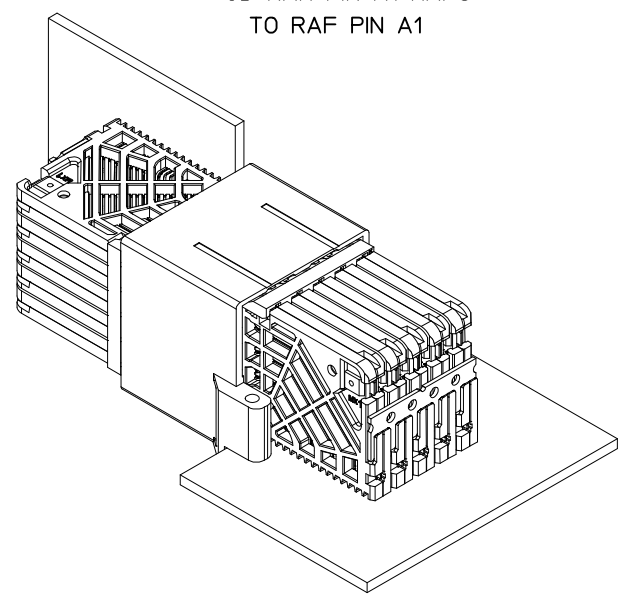


OD-RAM WITHOUT OUTRIGGERS

| | | | | | | | | |
|--|-------------------------------|---------------------------------------|----------------------|--|----------------------|---|------------------------|--------------------|
| SEE SHEET 1 EC NO: UCP2016-3973 DRAWN BY: DRWINDYARVARA 2015/08/24 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | mm | INCH | DRAWN BY JMENDOZA | DATE 2011/04/11 | TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM ASSEMBLY UNGUIDED SALES DRAWING | | |
| A2 | DESCRIPTION REV | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | 2 PLACES ± 0.13 ± --- | 1 PLACE ± 0.25 ± --- | APPROVED BY JB INGHAM | | DATE 2011/04/12 |
| | | ANGULAR ±1/2° | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-76725-001 | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE C | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

ORTHO POSITION 270°

OD-RAM PIN A1 MAPS
TO RAF PIN A1



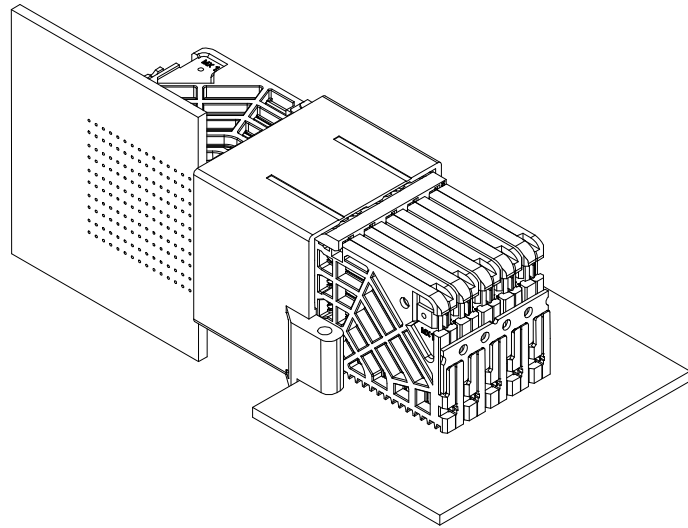
| ORTHO PIN MAPPING | | | | | | | | | |
|-----------------------------------|----------|---------|----------|---------|----------|---------|----------|---------|-----------|
| OPTION 270 (NEAR SIDE - FAR SIDE) | | | | | | | | | |
| (A1-A1) | A2-B1 | (A3-D1) | A4-E1 | (A5-G1) | A6-H1 | (A7-K1) | A8-L1 | (A9-N1) | A10-P1 |
| B1-A2 | B2-C1 | B3-D2 | B4-F1 | B5-G2 | B6-J1 | B7-K2 | B8-M1 | B9-N2 | B10-O1 |
| C1-B2 | (C2-C2) | C3-E2 | (C4-F2) | C5-H2 | (C6-J2) | C7-L2 | (C8-M2) | C9-P2 | (C10-Q2) |
| (D1-A3) | D2-B3 | (D3-D3) | D4-E3 | (D5-G3) | D6-H3 | (D7-K3) | D8-L3 | (D9-N3) | D10-P3 |
| E1-A4 | E2-C3 | E3-D4 | E4-F3 | E5-G4 | E6-J3 | E7-K4 | E8-M3 | E9-N4 | E10-Q3 |
| F1-B4 | (F2-C4) | F3-E4 | (F4-F4) | F5-H4 | (F6-J4) | F7-L4 | (F8-M4) | F9-P4 | (F10-Q4) |
| (G1-A5) | G2-B5 | (G3-D5) | G4-E5 | (G5-G5) | G6-H5 | (G7-K5) | G8-L5 | (G9-N5) | G10-P5 |
| H1-A6 | H2-C5 | H3-D6 | H4-F5 | H5-G6 | H6-J5 | H7-K6 | H8-M5 | H9-N6 | H10-O5 |
| J1-B6 | (J2-C6) | J3-E6 | (J4-F6) | J5-H6 | (J6-J6) | J7-L6 | (J8-M6) | J9-P6 | (J10-Q6) |
| (K1-A7) | K2-B7 | (K3-D7) | K4-E7 | (K5-G7) | K6-H7 | (K7-K7) | K8-L7 | (K9-N7) | K10-P7 |
| L1-A8 | L2-C7 | L3-D8 | L4-F7 | L5-G8 | L6-J7 | L7-K8 | L8-M7 | L9-N8 | L10-O7 |
| M1-B8 | (M2-C8) | M3-E8 | (M4-F8) | M5-H8 | (M6-J8) | M7-L8 | (M8-M8) | M9-P8 | (M10-Q8) |
| (N1-A9) | N2-B9 | (N3-D9) | N4-E9 | (N5-G9) | N6-H9 | (N7-K9) | N8-L9 | (N9-N9) | N10-P9 |
| P1-A10 | P2-C9 | P3-D10 | P4-F9 | P5-G10 | P6-J9 | P7-K10 | P8-M9 | P9-N10 | P10-Q9 |
| Q1-B10 | (Q2-C10) | Q3-E10 | (Q4-F10) | Q5-H10 | (Q6-J10) | Q7-L10 | (Q8-M10) | Q9-P10 | (Q10-Q10) |

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

| | | | | | | | |
|--|--|---|----------------------------|--------------------|--|------------------------|--|
| SEE SHEET 1 EC NO: UCP2016-3973 DRWNG: VARVARA 2015/08/24 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20 REV: A2 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2° | DIMENSION STYLE MM ONLY | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | DRAWN BY JMENDOZA | DATE 2011/04/11 | CHECKED BY JB INGHAM | DATE 2011/04/12 | TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM ASSEMBLY GUIDED SALES DRAWING | | |
| | APPROVED BY JB INGHAM | DATE 2011/04/21 | MATERIAL NO. SEE CHART | | | MOLEX INCORPORATED | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | SIZE C | DOCUMENT NO. SD-76725-001 | SHEET NO. 3 OF 4 | |

ORTHO POSITION 90°

OD-RAM PIN A1 MAPS
TO RAF PIN Q10



| ORTHO PIN MAPPING | | | | | | | | | |
|---------------------------------|---------|----------|---------|----------|---------|----------|---------|----------|----------|
| OPTION 90 (NEARSIDE - FAR SIDE) | | | | | | | | | |
| (A1-Q10) | A2-P10 | (A3-M10) | A4-L10 | (A5-J10) | A6-H10 | (A7-F10) | A8-E10 | (A9-C10) | A10-B10 |
| B1-Q9 | B2-N10 | B3-M9 | B4-K10 | B5-J9 | B6-G10 | B7-F9 | B8-D10 | B9-C9 | B10-A10 |
| C1-P9 | (C2-N9) | C3-L9 | (C4-K9) | C5-H9 | (C6-G9) | C7-E9 | (C8-D9) | C9-B9 | (C10-A9) |
| (D1-Q8) | D2-P8 | (D3-M8) | D4-L8 | (D5-J8) | D6-H8 | (D7-F8) | D8-E8 | (D9-C8) | D10-B8 |
| E1-Q7 | E2-N8 | E3-M7 | E4-K8 | E5-J7 | E6-G8 | E7-F7 | E8-D8 | E9-C7 | E10-A8 |
| F1-P7 | (F2-N7) | F3-L7 | (F4-K7) | F5-H7 | (F6-G7) | F7-E7 | (F8-D7) | F9-B7 | (F10-A7) |
| (G1-Q6) | G2-P6 | (G3-M6) | G4-L6 | (G5-J6) | G6-H6 | (G7-F6) | G8-E6 | (G9-C6) | G10-B6 |
| H1-Q5 | H2-N6 | H3-M5 | H4-K6 | H5-J5 | H6-G6 | H7-F5 | H8-D6 | H9-C5 | H10-A6 |
| J1-P5 | (J2-N5) | J3-L5 | (J4-K5) | J5-H5 | (J6-G5) | J7-E5 | (J8-D5) | J9-B5 | (J10-A5) |
| (K1-Q4) | K2-P4 | (K3-M4) | K4-L4 | (K5-J4) | K6-H4 | (K7-F4) | K8-E4 | (K9-C4) | K10-B4 |
| L1-Q3 | L2-N4 | L3-M3 | L4-K4 | L5-J3 | L6-G4 | L7-F3 | L8-D4 | L9-C3 | L10-A4 |
| M1-P3 | (M2-N3) | M3-L3 | (M4-K3) | M5-H3 | (M6-G3) | M7-E3 | (M8-D3) | M9-B3 | (M10-A3) |
| (N1-Q2) | N2-P2 | (N3-M2) | N4-L2 | (N5-J2) | N6-H2 | (N7-F2) | N8-E2 | (N9-C2) | N10-B2 |
| P1-Q1 | P2-N2 | P3-M1 | P4-K2 | P5-J1 | P6-G2 | P7-F1 | P8-D2 | P9-C1 | P10-A2 |
| Q1-P1 | (Q2-N1) | Q3-L1 | (Q4-K1) | Q5-H1 | (Q6-G1) | Q7-E1 | (Q8-D1) | Q9-B1 | (Q10-A1) |

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

| | | | | | | | | | |
|---|--------------------------------------|---------------------------------------|--|--|--|--|------------------------|------------------------------|--|
| SEE SHEET 1 EC NO: UCP2016-3973 DRWING: VAVARA 2015/08/24 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | | DRAWN BY DATE JMENDOZA 2011/04/11 | | TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM ASSEMBLY UNGUIDED SALES DRAWING | | | |
| | | 3 PLACES ± --- ± --- | | CHECKED BY DATE JB INGHAM 2011/04/12 | | | | | |
| | | 2 PLACES ± 0.13 ± --- | | APPROVED BY DATE JB INGHAM 2011/04/21 | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-76725-001 | |
| 1 PLACE ± 0.25 ± --- | | ANGULAR ± 1/2° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |