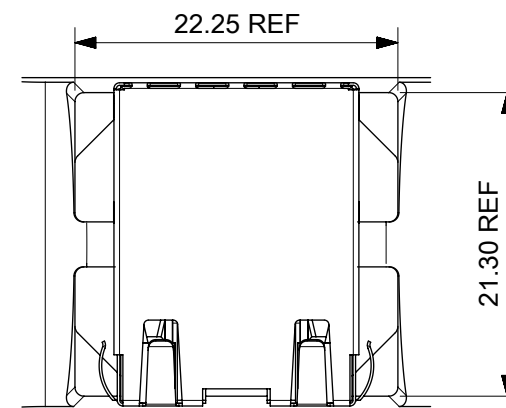
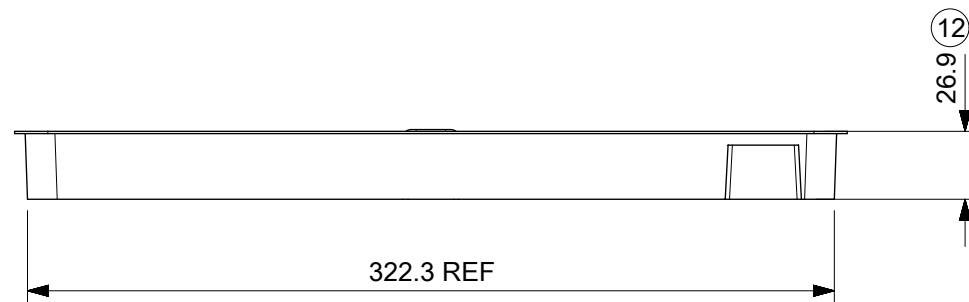
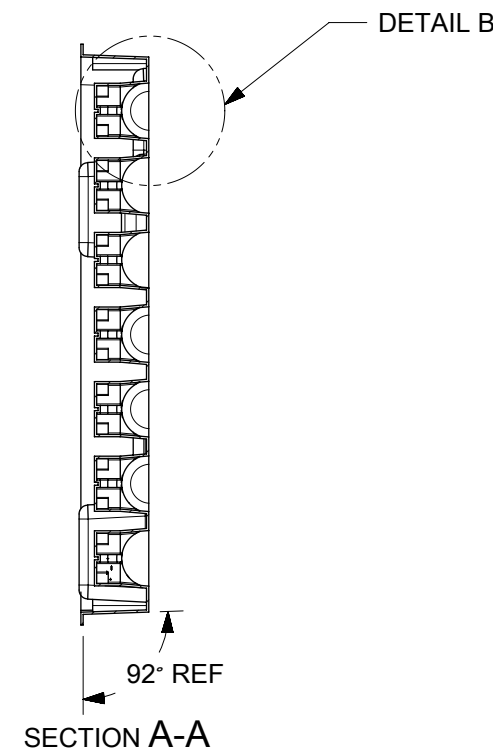
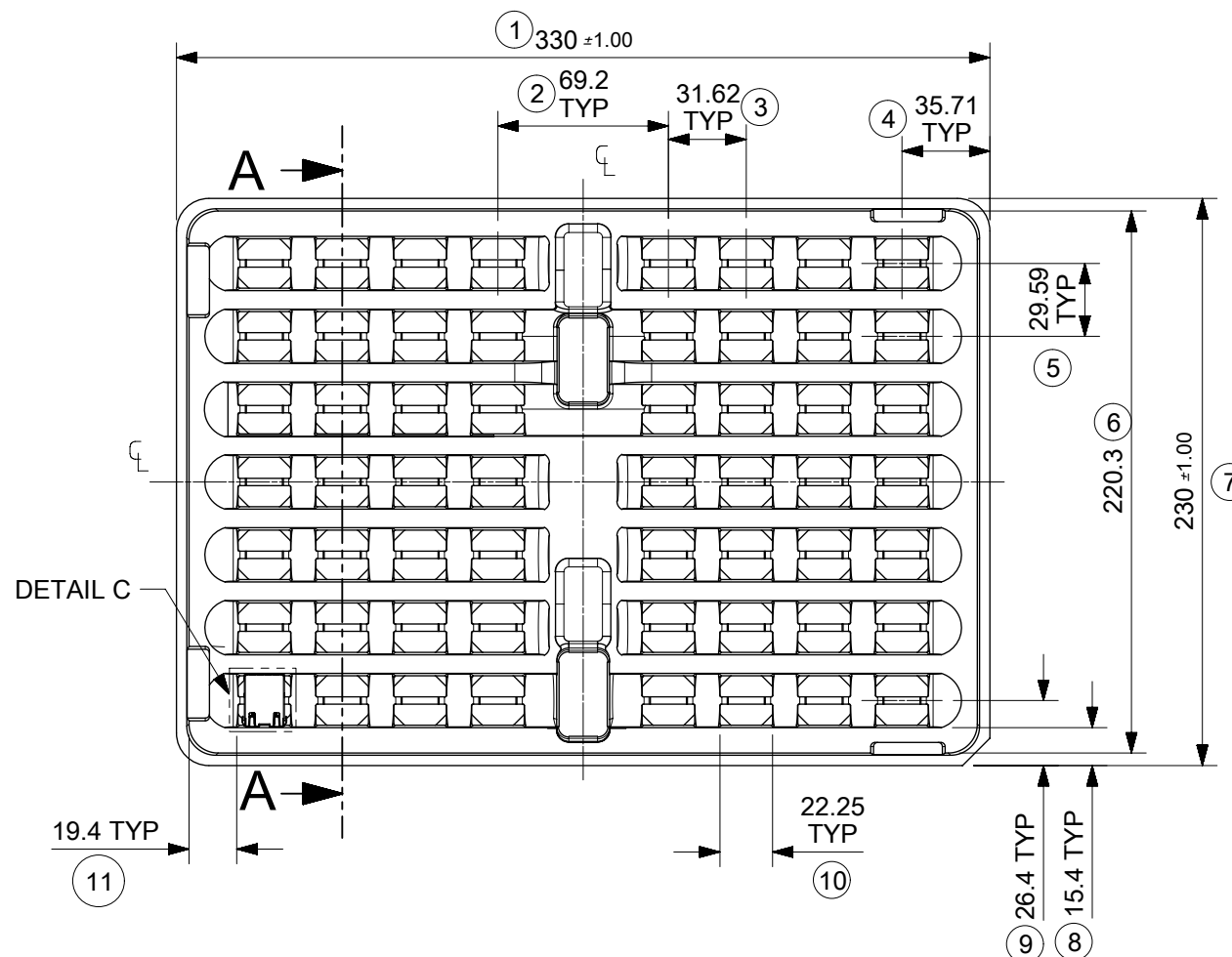


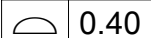
DETAIL B



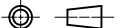
DETAIL C
SCALE 2:1



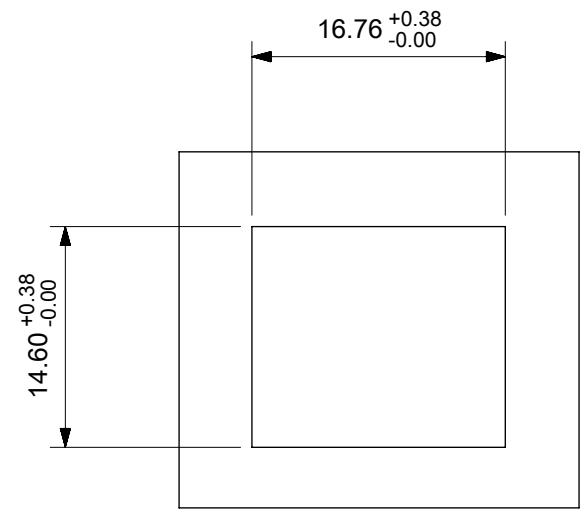
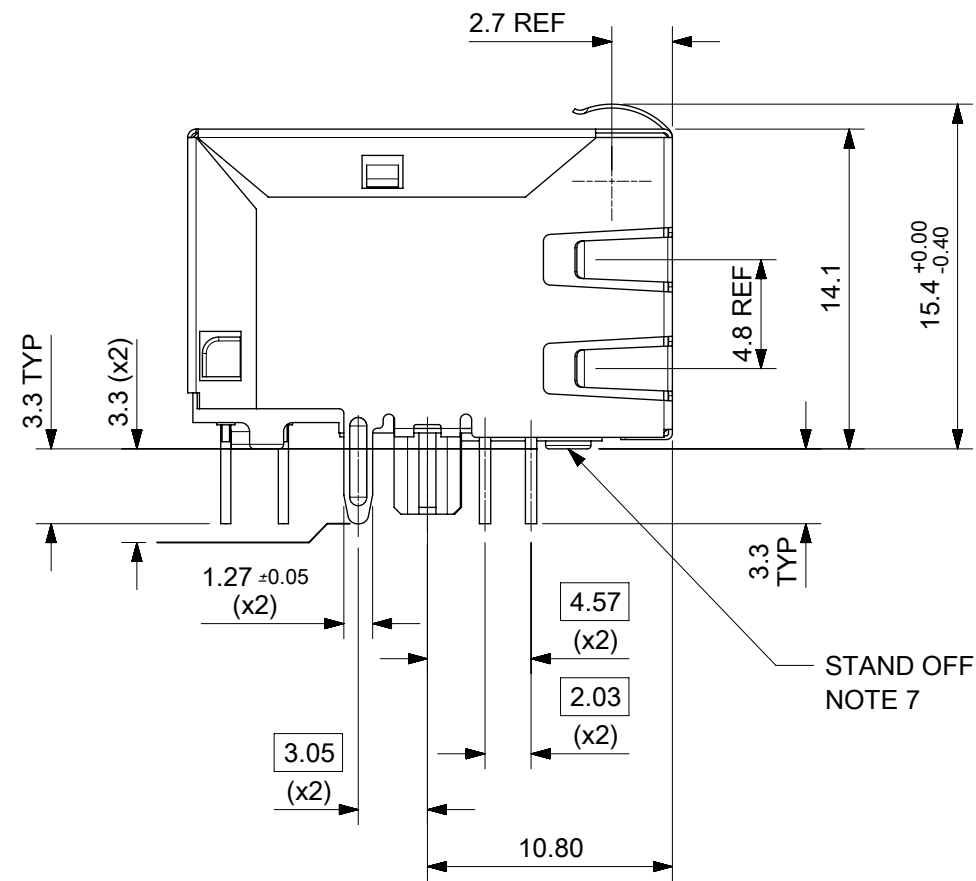
NOTES:

1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm \pm 0.05 mm
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
5. TWIST 2 mm MAXIMUM PER 330 mm
6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL ABOUT THE CENTRELINE
8. GENERAL PROFILE TOLERANCE  0.40 ON NON DIMENSIONED FEATURES

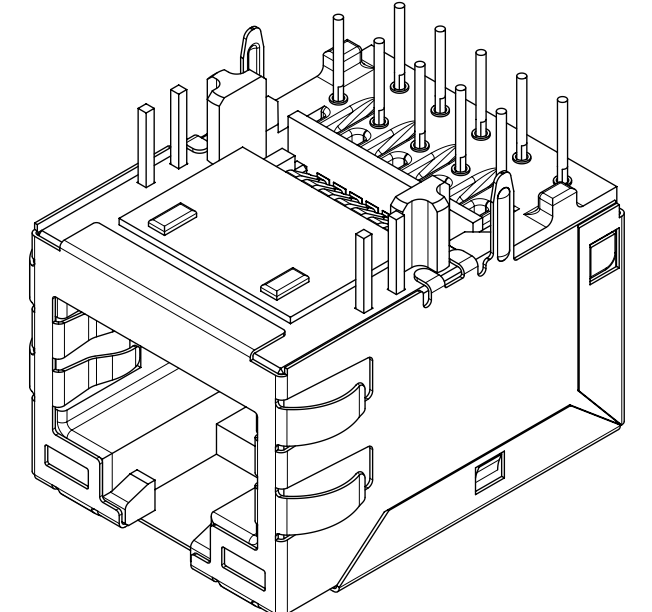
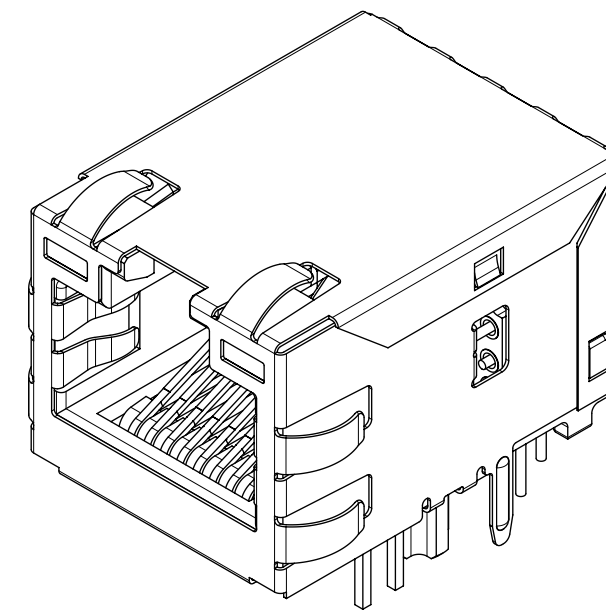
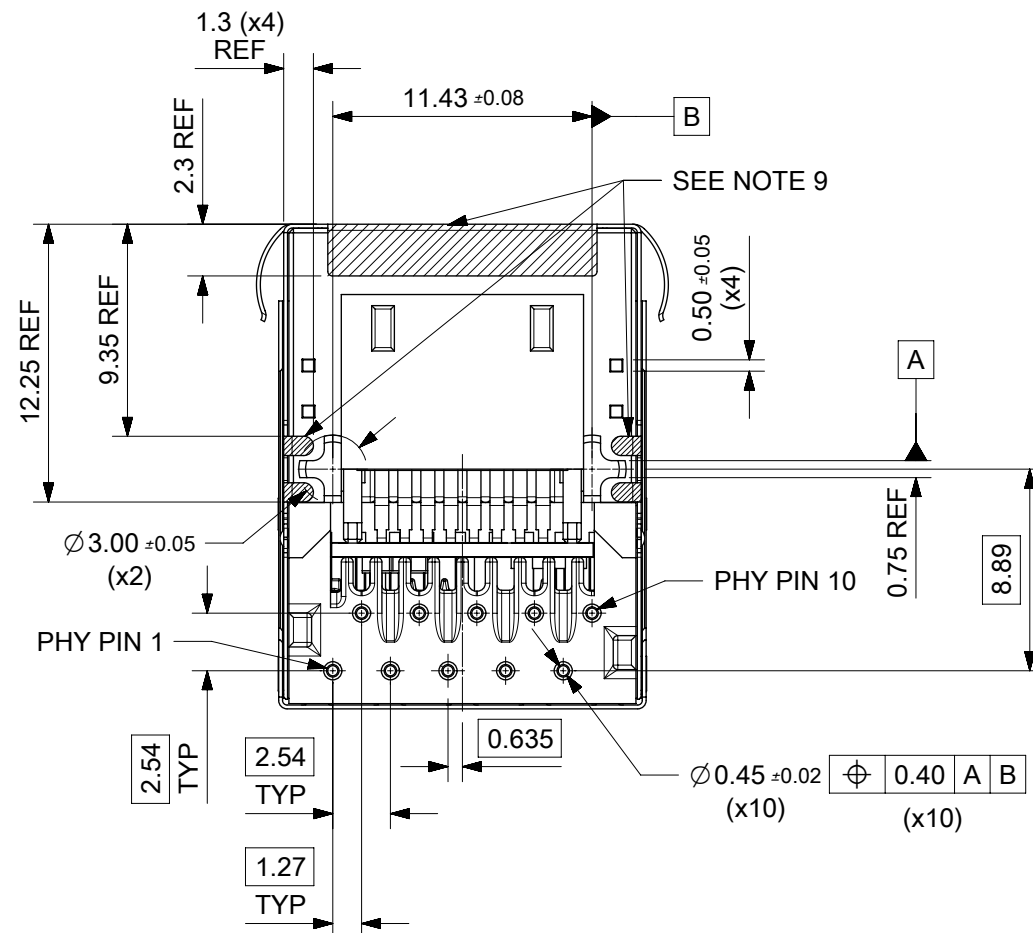
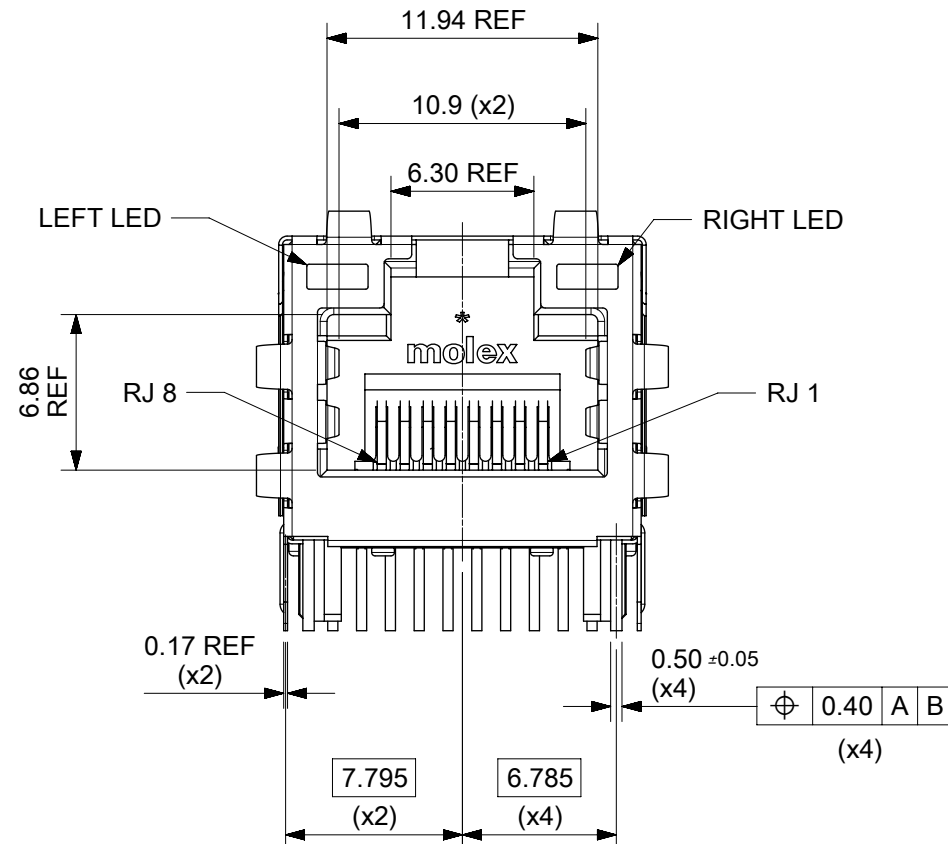
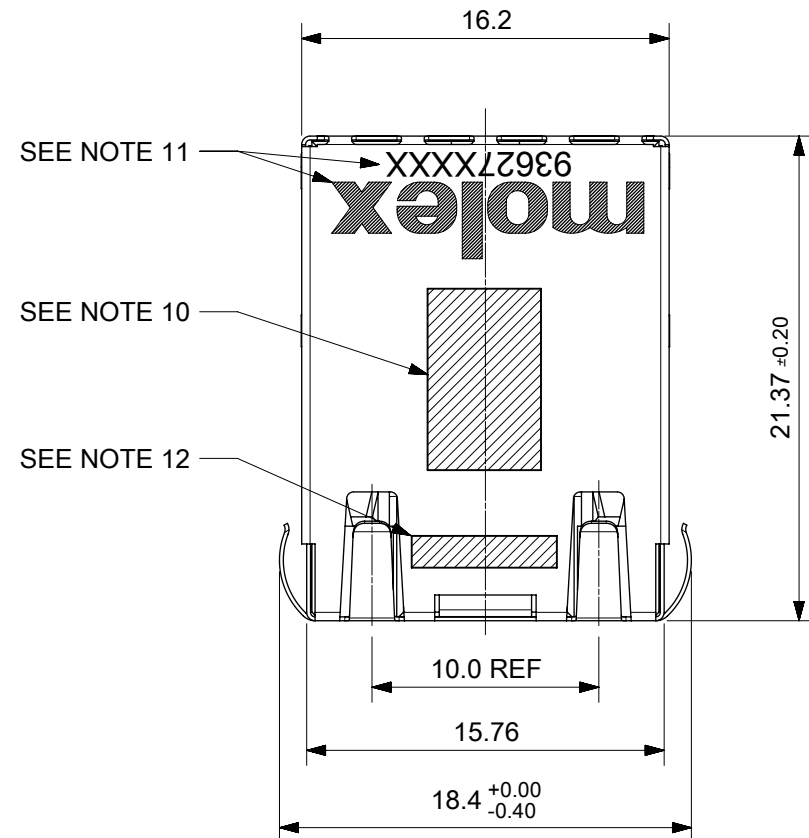
LAST INSPECTION NUMBER USED: 12

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|---|--|-------|--|---|--|--------|--|--------------------------|--|----------------|--|--------------|--|----------|--|
| DIMENSION UNITS | | SCALE | | CURRENT REV DESC: REMOVED REFERENCE TO QUANTITY OF TRAYS PER STACK | | | | <div>molex</div> | | | | | | | |
| mm | | 1:3 | | | | | | | | | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | MXMAG STANDARD AND INVERTED TRAY | | | | | | | | | | | |
| ANGULAR TOL ± 1.0° | | | | | | | | | | | | | | | |
| 4 PLACES | | ± | | EC NO: 602124 | | | | PRODUCT CUSTOMER DRAWING | | | | | | | |
| 3 PLACES | | ± | | DRWN: DSHEA 2018/09/07 | | | | | | | | | | | |
| 2 PLACES | | ± 0.2 | | CHK'D: DBYRNES 2019/01/25 | | | | | | | | | | | |
| 1 PLACE | | ± 0.5 | | APPR: DBYRNES 2019/01/25 | | | | DOCUMENT NUMBER | | DOC TYPE | | DOC PART | | REVISION | |
| 0 PLACES | | ± | | INITIAL REVISION: | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | DRWN: KREILLY 2016/05/06 | | | | 934620003 | | PSD | | K | | B | |
| | | | | APPR: STGRIFFIN 2016/12/07 | | | | | | | | | | | |
| THIRD ANGLE PROJECTION | | | | DRAWING | | SERIES | | MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | | | |
|  | | | | A3-SIZE | | 93462 | | 990250150 | | GENERAL MARKET | | 1 OF 1 | | | |

INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/LED
AND W/SHIELD TABS

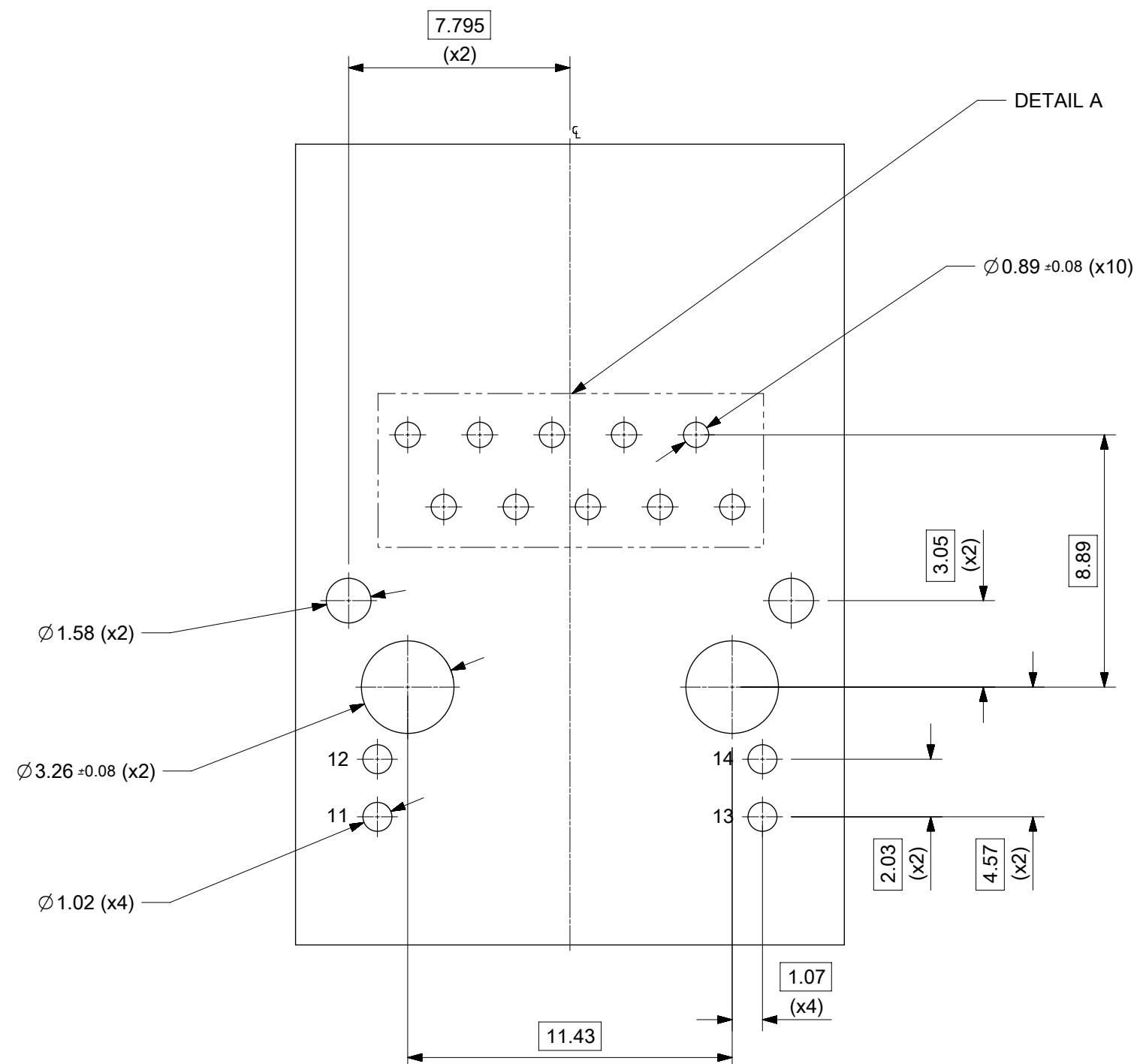


SUGGESTED PANEL CUT-OUT

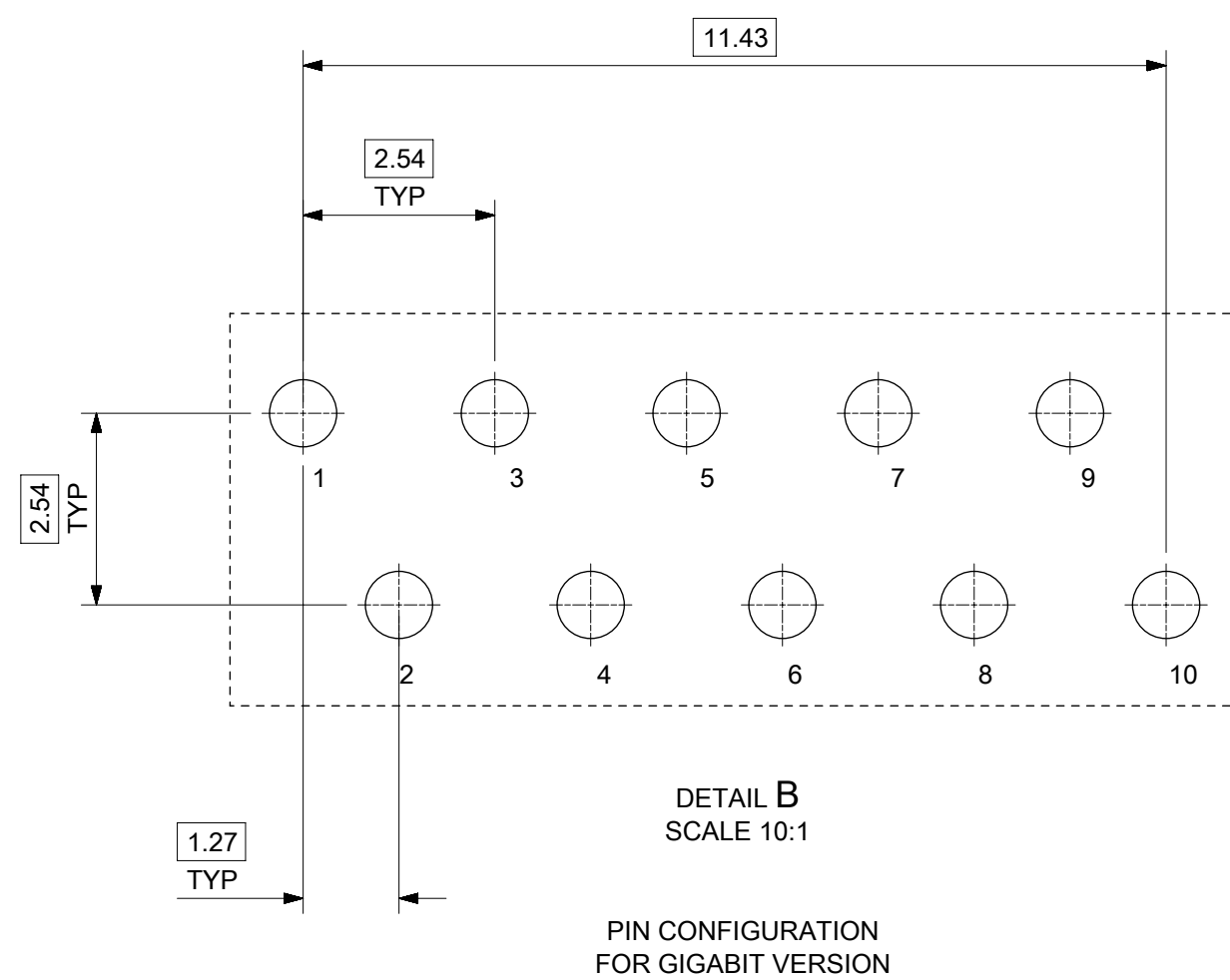


- NOTES:
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 µm TIN
 - 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP
PHY SOLDER TAILS: COPPER ALLOY
 - 4 - MATING INTERFACE ACCORDING TO IEC 60603-7 &TIA-1096-A
 - 5 - PRODUCT SPECIFICATION: 934620001 PSP
 - 6 - PACKAGING SPECIFICATION: 934620001 PSK TRAY
 - 7 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN
 - 8 - RECOMMENDED PCB THICKNESS: 1.57 mm
 - 9 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS
 - 10 - AREA FOR PICK AND PLACE: 5.0 mm X 8.0 mm
 - 11 - INSCRIPTION MARKED BY LASER:
1st : MOLEX
2nd : P/N (SEE BOM)
 - 12 - INSCRIPTION MARKED BY LASER:
DATE CODE(DAY/WEEK/YEAR)
 - 13 - MATERIAL COMPLIANT TO RoHS DIRECTIVE 2002/95/EC

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|---|------------|--|-------|---------------------|----|------------------------|--|--|--------|-----------|----------------------|------------|----------------|--------------|--|
| REVISED EC NO: 116686 DRWN: KREILLY CHKD: DSHEA REV APPR: DBYRNES | 2017/05/09 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | | SCALE | | <div>molex®</div> <div>INV PRO MX MAG 8 CORE GIG W/LED W/EMI</div> | | | | | | | |
| | 2017/09/12 | | | mm | | 3:1 | | | | | | | | | |
| | 2017/09/26 | | | ANGULAR TOL ± 2.0 ° | | DRWN BY | | DATE | | KREILLY | | 2015/08/31 | | | |
| | | | | 4 PLACES | ± | CHKD BY | | DATE | | DBYRNES | | 2017/02/22 | | | |
| | | | | 3 PLACES | ± | APPR BY | | DATE | | STGRIFFIN | | 2015/11/20 | | | |
| | | 2 PLACES | ± 0.1 | DRAWING SIZE | | THIRD ANGLE PROJECTION | | PRODUCT CUSTOMER DRAWING | | | | | | | |
| | | 1 PLACE | ± 0.2 | | | | | | | | | | | | |
| | | 0 PLACES | ± | | | | | | | | | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | A2 | | | | SERIES | | MATERIAL NUMBER | | CUSTOMER | | |
| | | C | REV | | | | | | 93627 | | SEE TABLE ON SHEET 2 | | GENERAL MARKET | | |
| | | | | | | | | DOCUMENT NUMBER | | DOC TYPE | | DOC PART | | SHEET NUMBER | |
| | | | | | | | | 936270003 | | PSD | | 000 | | 1 OF 3 | |

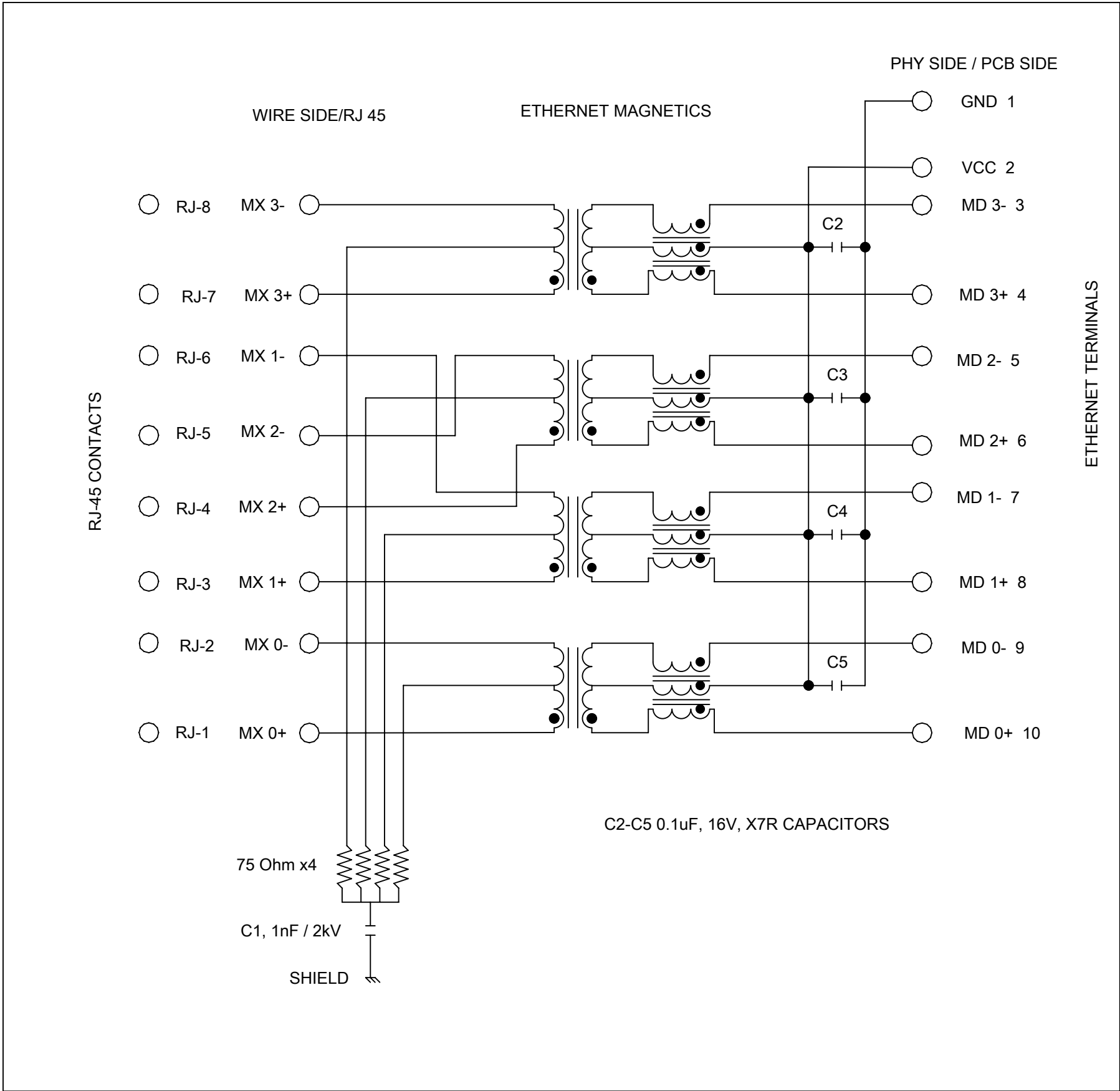


SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS

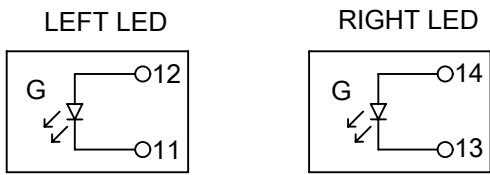


| PART NUMBER | LEFT LED | RIGHT LED |
|----------------|--------------|--------------|
| 93627-3601 | GREEN | GREEN |
| 93627-3606 | GREEN | YELLOW |
| 93627-3608 | GREEN/YELLOW | GREEN/YELLOW |

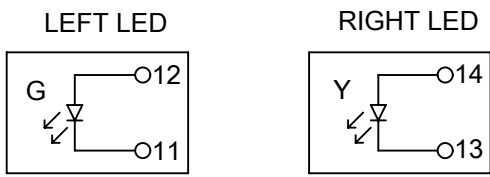
| | | | | | | | | | | | | | |
|---|--|---------------------------------------|-----------|-----------------|--------------|-------|------------------------|---------------------------------------|--------------------------|-----------------|----------------|--------------|--|
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| REVISED EC NO: 116686 DRWN: KREILLY CHKD: DSHEA APPR: DBYRNES | 2017/05/09 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | | SCALE | | <div>molex®</div> | | | | | |
| | 2017/09/12 | | | mm | | 5:1 | | | | | | | |
| | 2017/09/26 | ANGULAR TOL ± 2.0 ° | | DRWN BY | | DATE | | INV PRO MX MAG 8 CORE GIG W/LED W/EMI | | | | | |
| | 4 PLACES ± | | KREILLY | | 2015/08/31 | | | | | | | | |
| | 3 PLACES ± | | CHK'D BY | | DATE | | | | | | | | |
| | 2 PLACES ± 0.1 | | DBYRNES | | 2017/02/22 | | | | | | | | |
| | 1 PLACE ± 0.2 | | APPR BY | | DATE | | | | | | | | |
| | 0 PLACES ± | | STGRIFFIN | | 2015/11/20 | | | | | | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | DRAWING SIZE | | THIRD ANGLE PROJECTION | | PRODUCT CUSTOMER DRAWING | | | | |
| | C | | REV | A2 | | | | SERIES | | MATERIAL NUMBER | | CUSTOMER | |
| | | | | | | | 93627 | | SEE TABLE | | GENERAL MARKET | | |
| | | | | DOCUMENT NUMBER | | | | DOC TYPE | | DOC PART | | SHEET NUMBER | |
| | | | | 936270003 | | | | PSD | | 000 | | 2 OF 3 | |



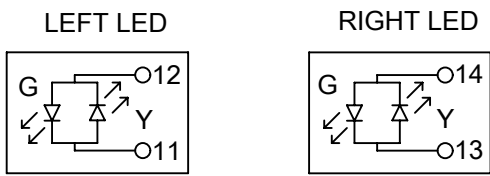
| Description | Value | |
|---|-------------------|--------------------------|
| OCL @100 kHz, 0.1 V 8 mA DC bias (0°C to +70°C) | 350 µH min. | |
| Turns ratio | 1CT:1CT | |
| Transmission characteristics @ 25°C, all four pairs | | |
| Insertion Loss | | |
| Frequency f, (MHz) | Limits (dB max.) | Typical Values (dB max.) |
| 1.0-9.9 | 0.4+0.1*log(f) | 0.5 @ 10 MHz |
| 10-49.9 | 0.5+0.3*log(f/10) | 0.7 @ 50 MHz |
| 50-79.9 | 1+1.4*log(f/80) | 1.0 @ 80 MHz |
| 80-100 | 1.3+3*log(f/100) | 1.3 @ 100 MHz |
| Return Loss | | |
| Frequency f, (MHz) | Limits (dB min.) | Typical Values (dB min.) |
| 1.0-39.9 | 18 | 18 @ 40 MHz |
| 40-100 | 12-20*log(f/80) | 10 @ 100 MHz |
| CMR | | |
| Frequency f, (MHz) | Limits (dB min.) | Typical Values (dB min.) |
| 1.0-100 | 30 | 30 @ 100 MHz |
| Next | | |
| Frequency f, (MHz) | Limits (dB min.) | Typical Values (dB min.) |
| 1.0-39.9 | 35 | 35 @ 40 MHz |
| 40-100 | 33-20*log(f/50) | 27 @ 100 MHz |
| Isolation PHY to wire side | 2.25 kVDC/60sec | |



93627-3601



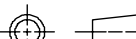
93627-3606



BICOLOUR
OPTION

BICOLOUR
OPTION

93627-3608

| | | | | | | | | | | | | | | |
|---|--|--|--|--|-----------------|--|---|--|---------------------------------------|--|----------------------|--|----------------|--|
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| REVISED | EC NO: 116686 DRWN: KREILLY CHKD: DSHEA REV APPR: DBYRNES | 2017/05/09 2017/09/12 2017/09/26 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | | SCALE | | molex® | | | | | |
| | | | | | mm | | 1:1 | | | | | | | |
| | | | ANGULAR TOL ± 2.0 ° | | DRWN BY | | DATE | | | | | | | |
| | | | 4 PLACES ± | | KREILLY | | 2015/08/31 | | INV PRO MX MAG 8 CORE GIG W/LED W/EMI | | | | | |
| | | | 3 PLACES ± | | CHK'D BY | | DATE | | | | | | | |
| | | | 2 PLACES ± 0.1 | | DBYRNES | | 2017/02/22 | | | | | | | |
| | | | 1 PLACE ± 0.2 | | APPR BY | | DATE | | PRODUCT CUSTOMER DRAWING | | | | | |
| | | | 0 PLACES ± | | STGRIFFIN | | 2015/11/20 | | | | | | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | | THIRD ANGLE PROJECTION | | SERIES | | MATERIAL NUMBER | | CUSTOMER | |
| | | | | | A2 | |  | | 93627 | | SEE TABLE ON SHEET 2 | | GENERAL MARKET | |
| C | REV | | | | | | DOCUMENT NUMBER | | DOC TYPE | | SHEET NUMBER | | | |
| | | | | | | | 936270003 | | PSD | | 000 3 OF 3 | | | |