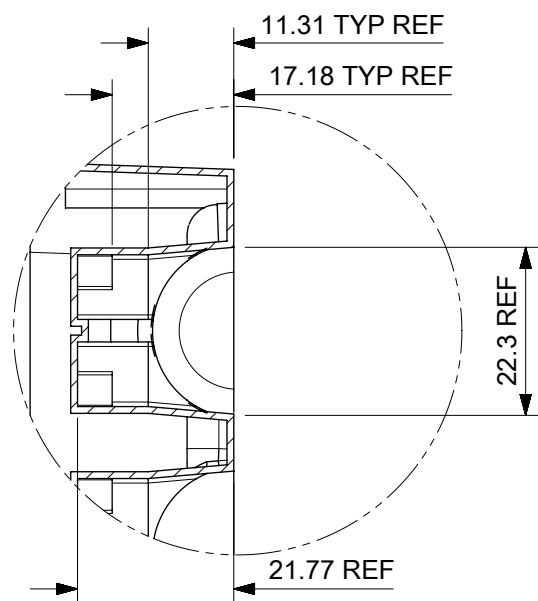
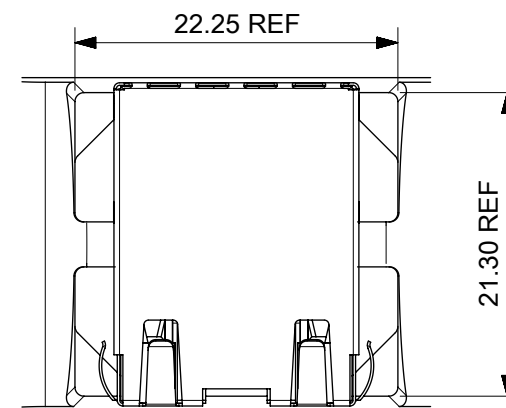
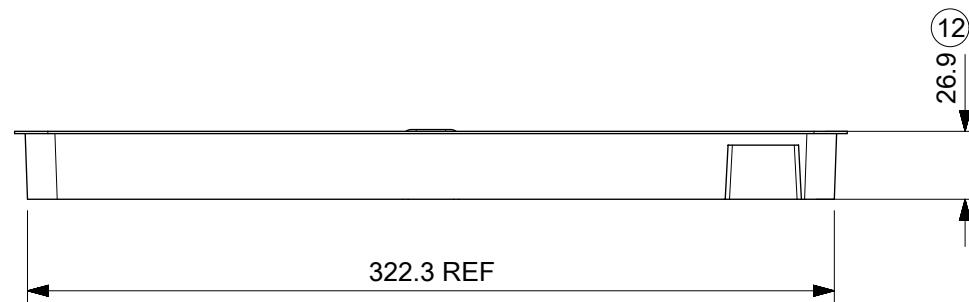
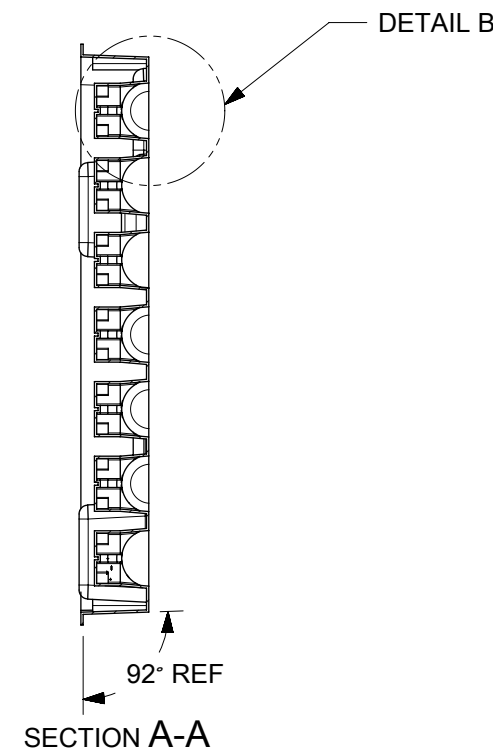
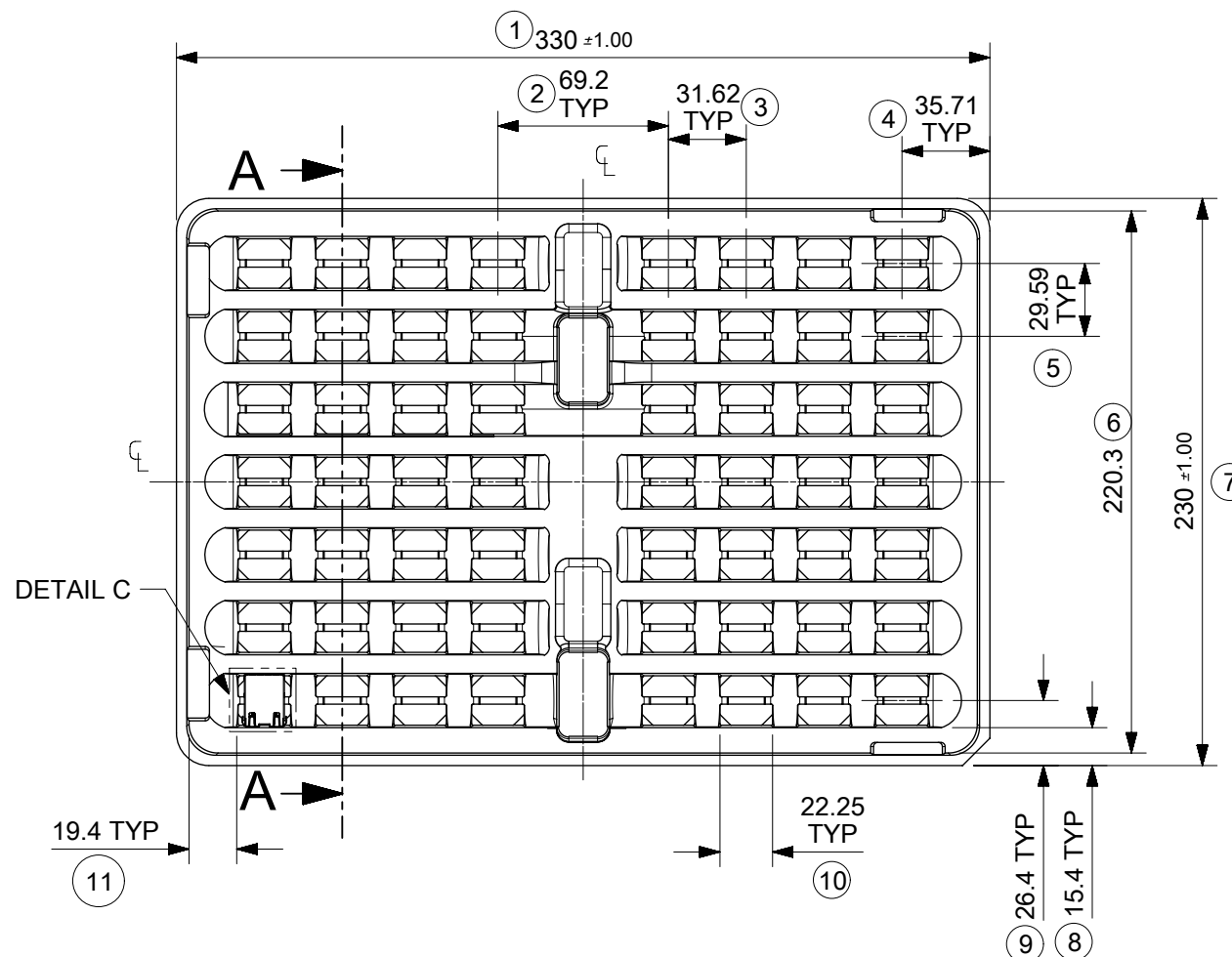




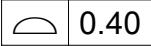
DETAIL B



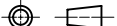
DETAIL C
SCALE 2:1



NOTES:

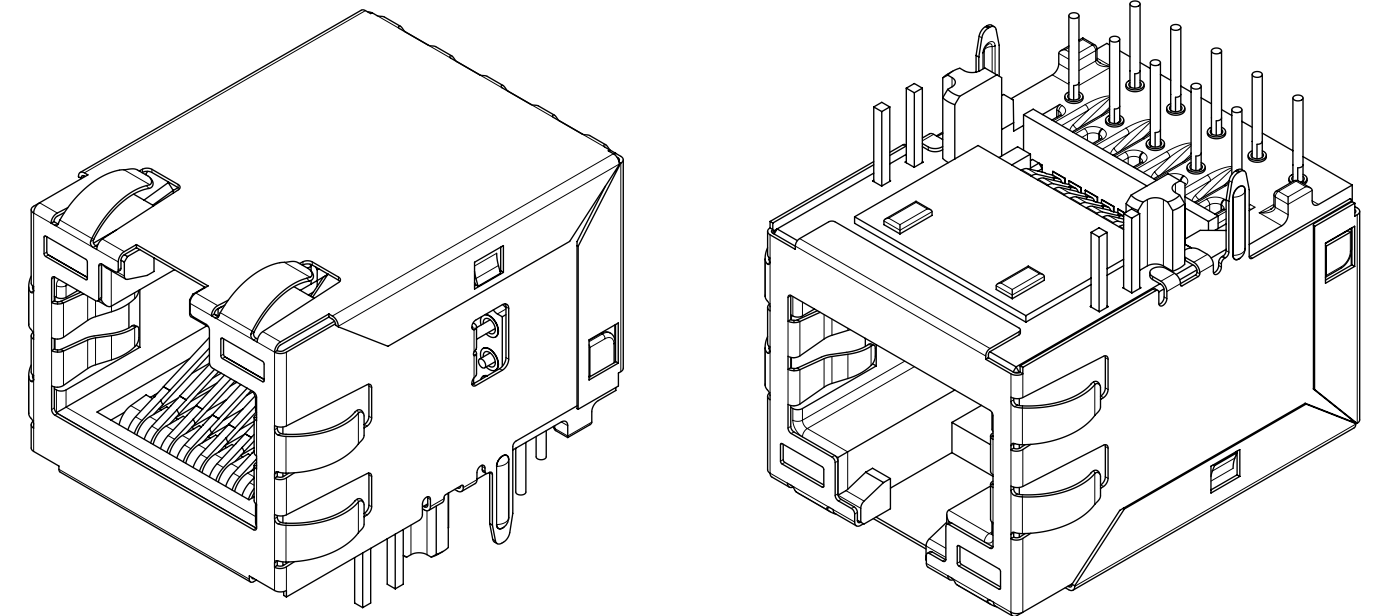
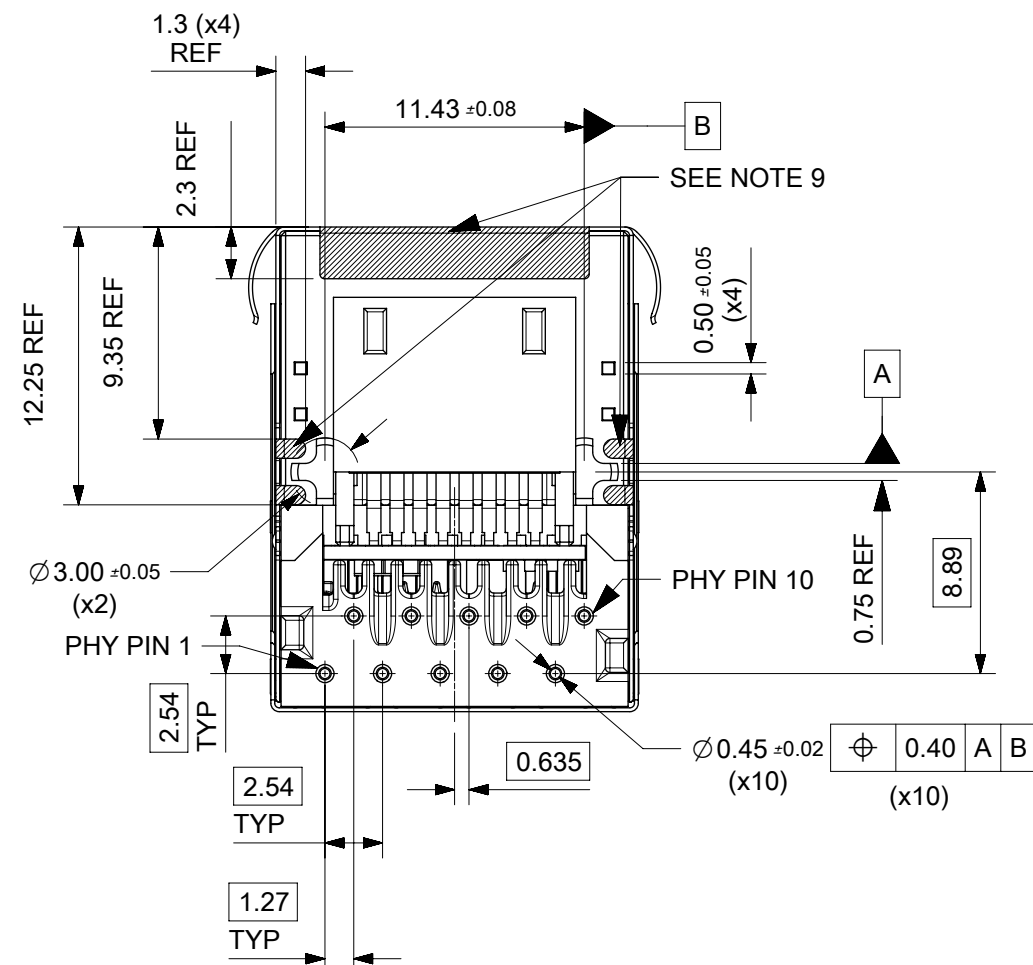
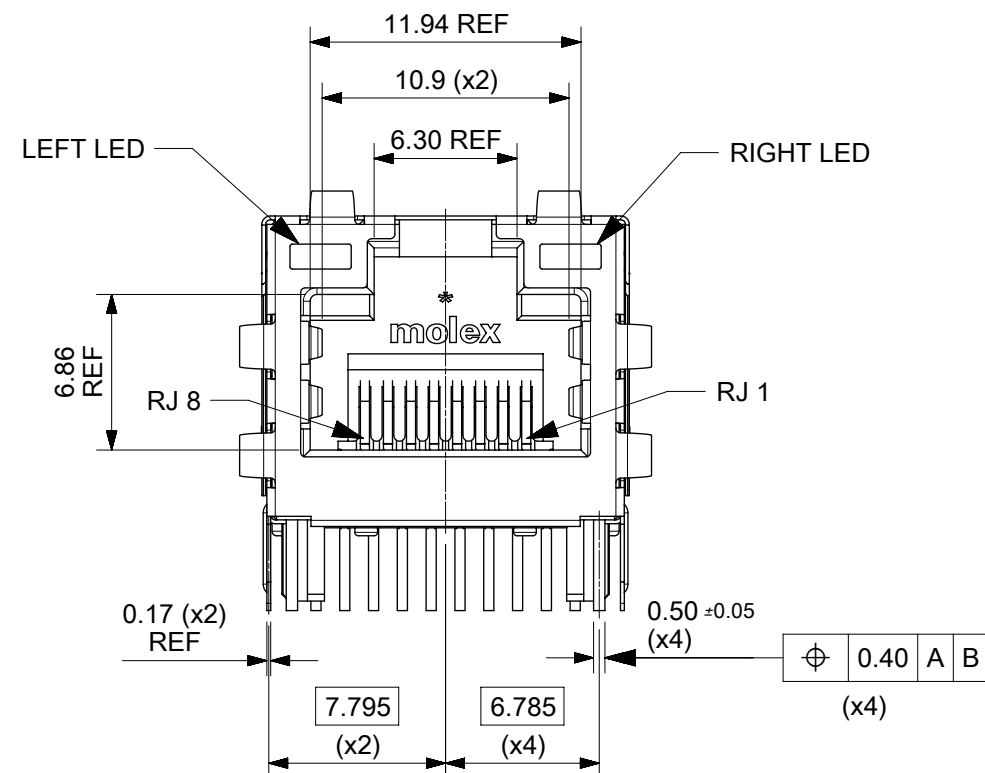
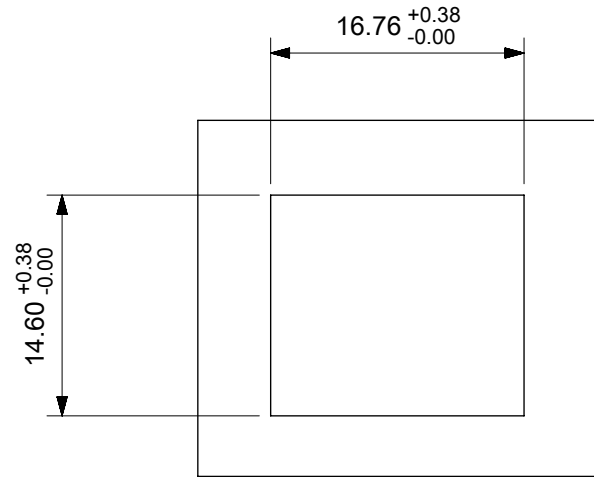
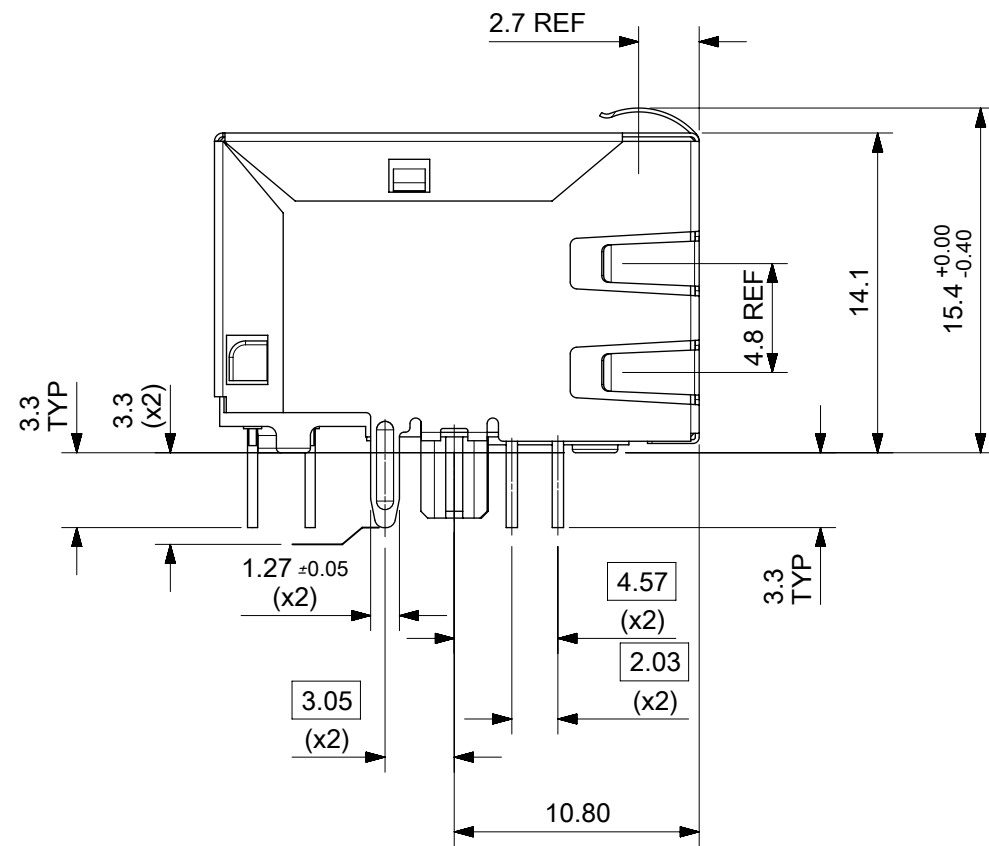
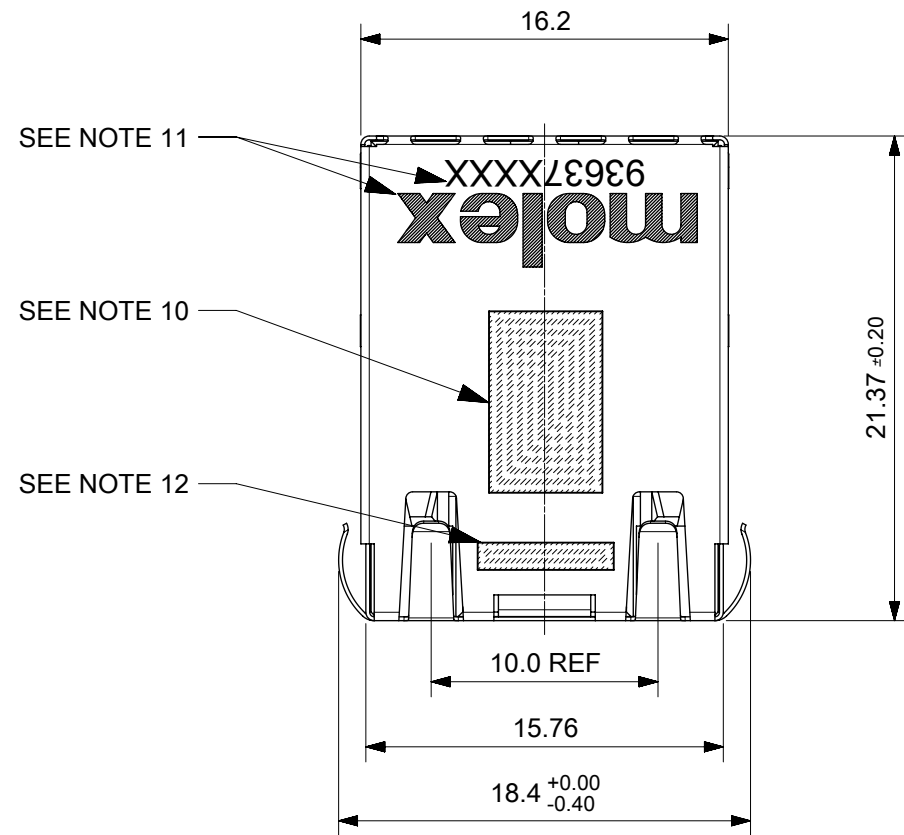
1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm $\pm$ 0.05 mm
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
5. TWIST 2 mm MAXIMUM PER 330 mm
6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL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

LAST INSPECTION NUMBER USED: 12

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

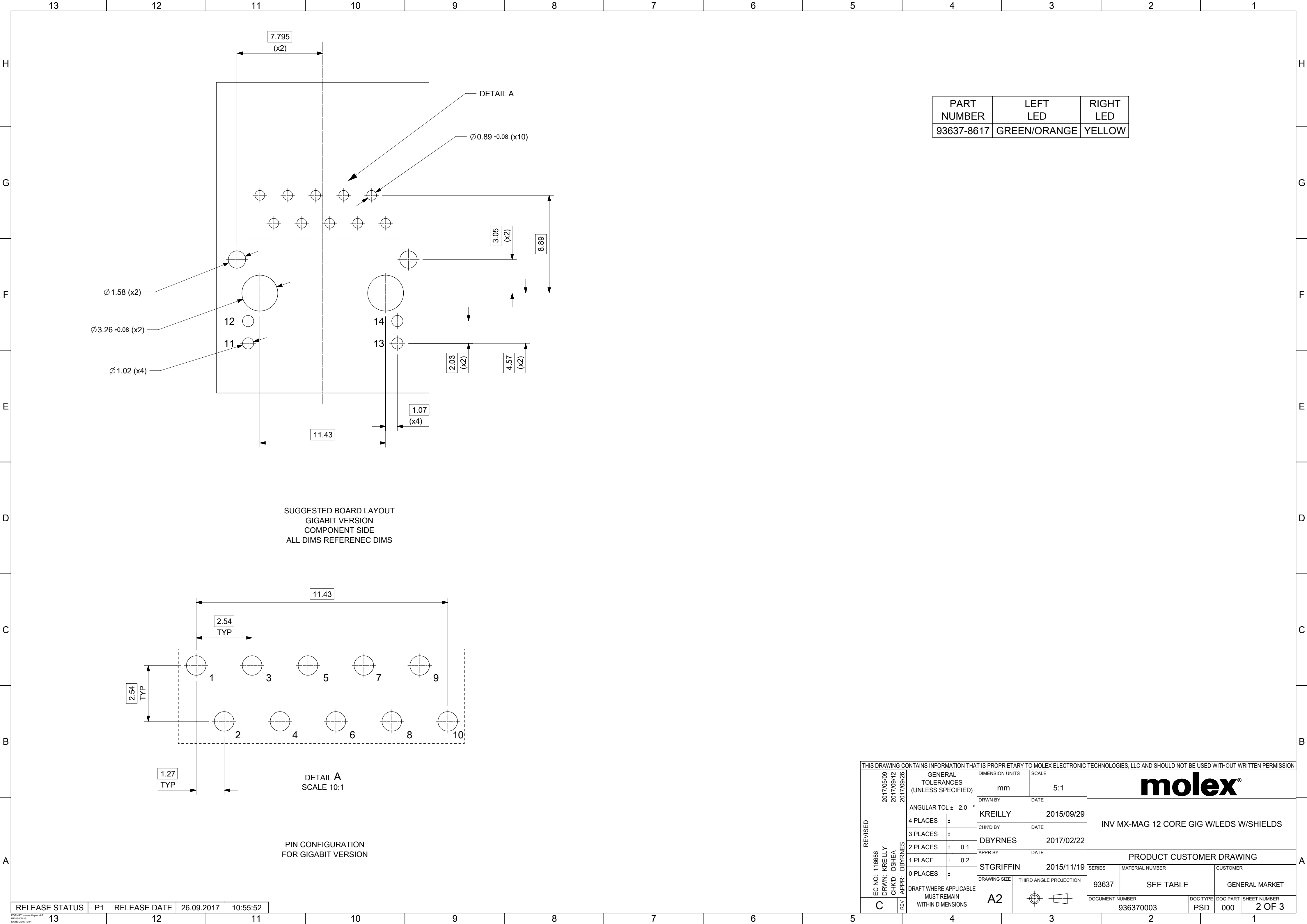
DOCUMENT STATUS	P1	RELEASE DATE	2019/01/25	10:12:55
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INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/LED
AND W/SHIELD TABS

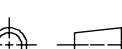


- NOTES:
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 µm TIN
 - 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 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 ANY 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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
REVISED	EC NO: 116686	DRWN: KREILLY CHKD: DSHEA APPR: DBYRNES	2017/05/09	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex®			
	2017/09/12		mm		3:1							
	2017/09/26		ANGULAR TOL ± 2.0 °		DRWN BY		DATE		INV MX-MAG 12 CORE GIG W/LEDs W/SHIELDS			
	4 PLACES		±		KREILLY		2015/09/29					
	3 PLACES		±		CHKD BY		DATE					
	2 PLACES		± 0.1		DBYRNES		2017/02/22					
	1 PLACE		± 0.2		APPR BY		DATE					
	0 PLACES		±		STGRIFFIN		2015/11/19		PRODUCT CUSTOMER DRAWING			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING SIZE		THIRD ANGLE PROJECTION					
	C		REV		A2			SERIES		MATERIAL NUMBER		CUSTOMER
						93637	SEE TABLE ON SHEET 2		GENERAL MARKET			
						DOCUMENT NUMBER		DOC TYPE		DOC PART	SHEET NUMBER	
						936370003		PSD		000	1 OF 3	



PART NUMBER	LEFT LED	RIGHT LED
93637-8617	GREEN/ORANGE	YELLOW

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REVISED	EC NO: 116686 DRWN: KREILLY CHKD: DSHEA APP: DBYRNES	2017/05/09 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex[®]					
					mm		5:1							
			ANGULAR TOL ± 2.0 °		DRWN BY		DATE		INV MX-MAG 12 CORE GIG W/LEDS W/SHIELDS					
			4 PLACES ±		KREILLY		2015/09/29							
			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		2015/11/19							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
					A2				93637		SEE TABLE		GENERAL MARKET	
						DOCUMENT NUMBER		DOC TYPE		DOC PART				
						936370003		PSD		000				
										SHEET NUMBER				
										2 OF 3				

RELEASE STATUS	P1	RELEASE DATE	26.09.2017	10:55:52
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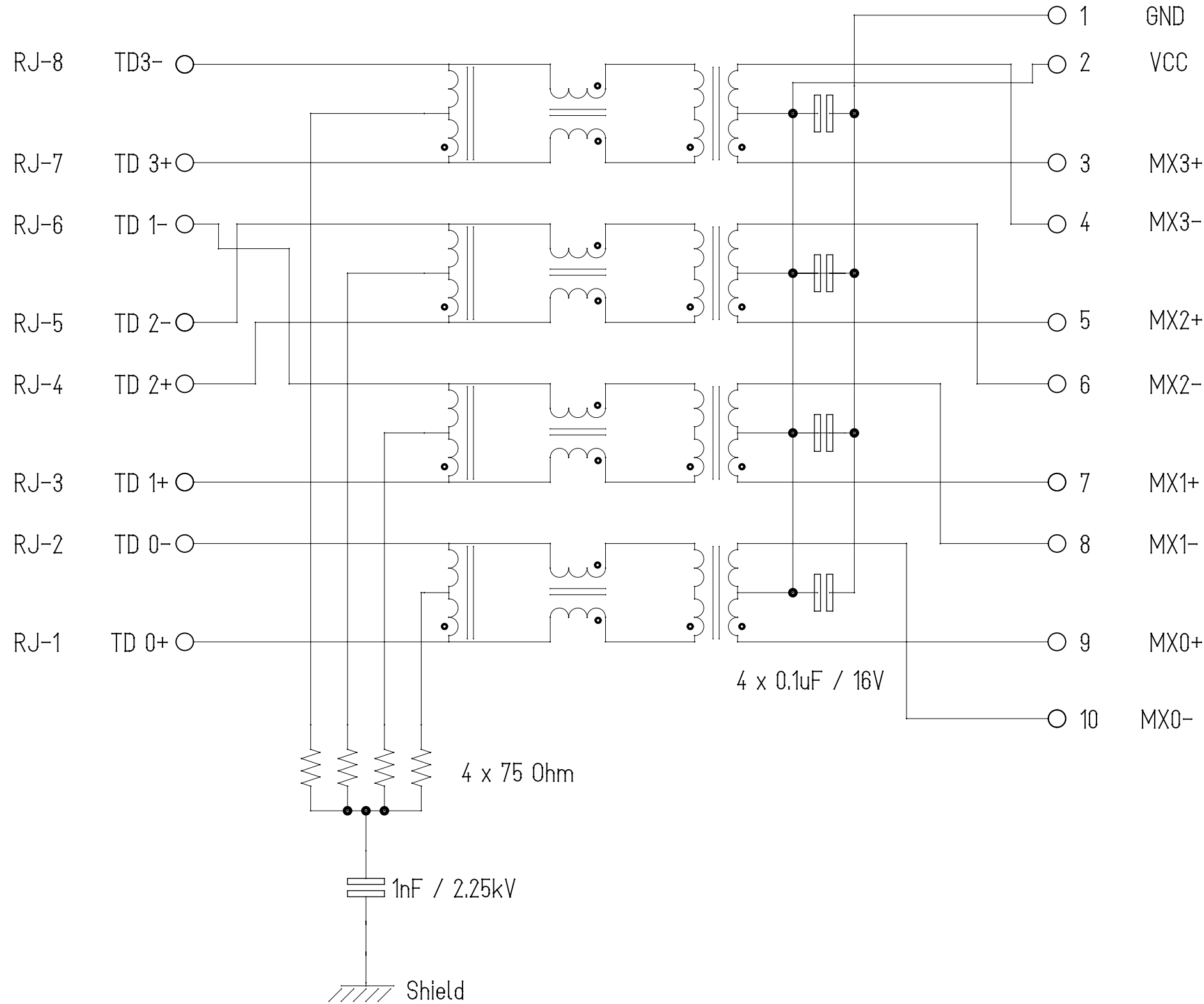
Description	Value	
OCL @100 kHz, 0.1 V 8 mA DC bias (-40°C to +85°C)	350 µH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency f, (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9	0.4+0.1*log(f)	0.5 @ 10 MHz
10-49.9	0.5+0.3*log(f/10)	0.7 @ 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	

RJ-45 CONTACTS

WIRE-SIDE / RJ-45

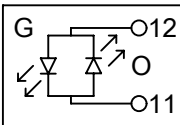
ETHERNET MAGNETICS

PHY-SIDE / PCB SIDE

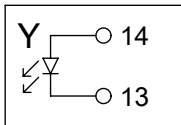


ETHERNET TERMINALS

LEFT LED



RIGHT LED



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REVISED	EC NO: 116686 DRWN: KREILLY CHKD: DSHEA APPR: DBYRNES	2017/05/09 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® INV MX-MAG 12 CORE GIG W/LEDS W/SHIELDS							
			ANGULAR TOL ± 2.0 °		mm		1:1									
			4 PLACES ±		DRWN BY		DATE									
			3 PLACES ±		KREILLY		2015/09/29									
			2 PLACES ± 0.1		CHK'D BY		DATE		DBYRNES		2017/02/22					
			1 PLACE ± 0.2		APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
			0 PLACES ±		STGRIFFIN		2015/11/19		SERIES	MATERIAL NUMBER		CUSTOMER				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		93637	SEE TABLE ON SHEET 2		GENERAL MARKET				
					A2				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
									936370003		PSD		000		3 OF 3	