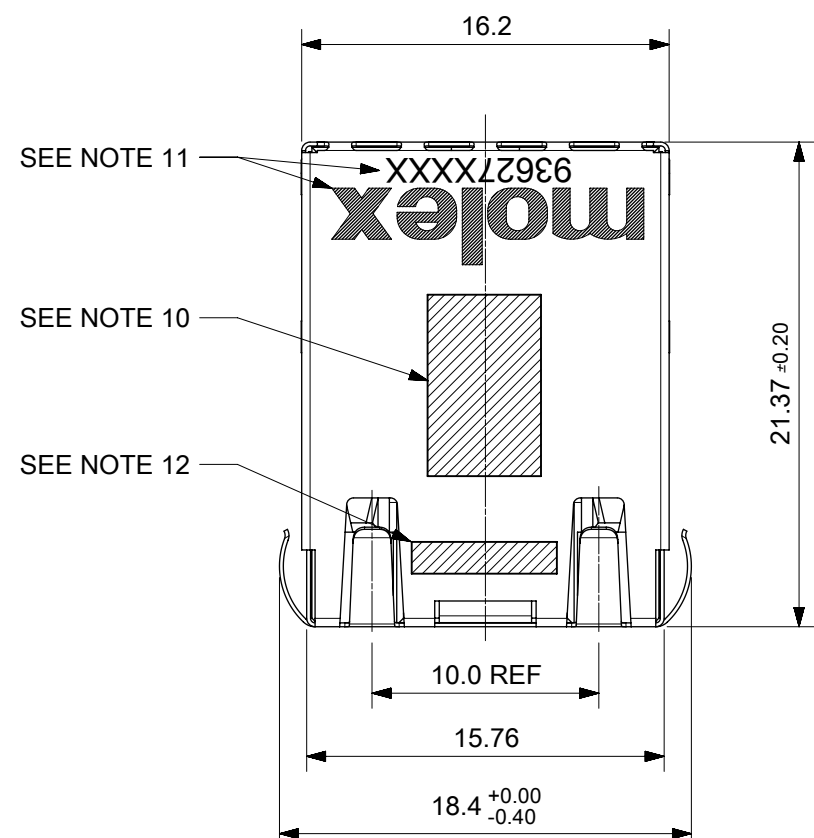
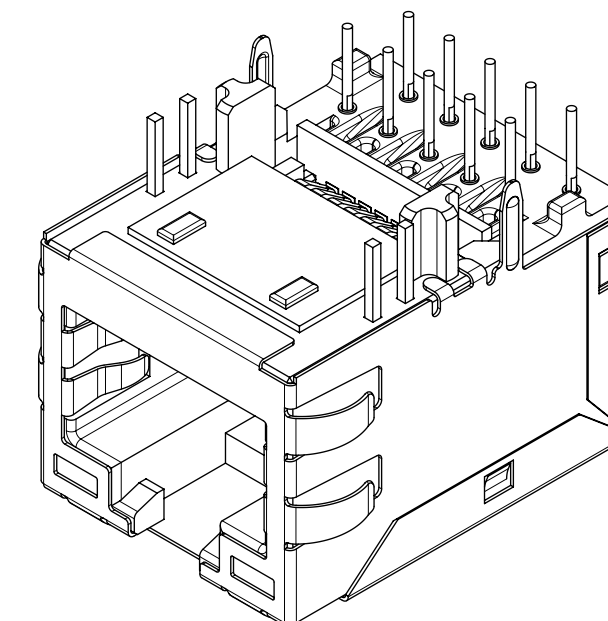
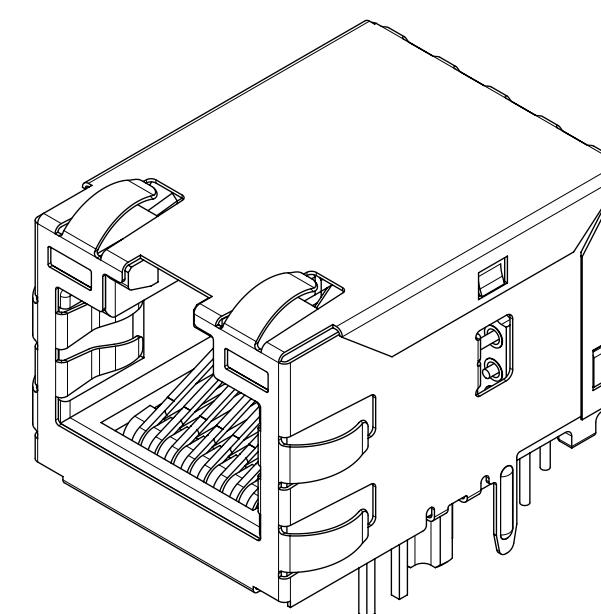
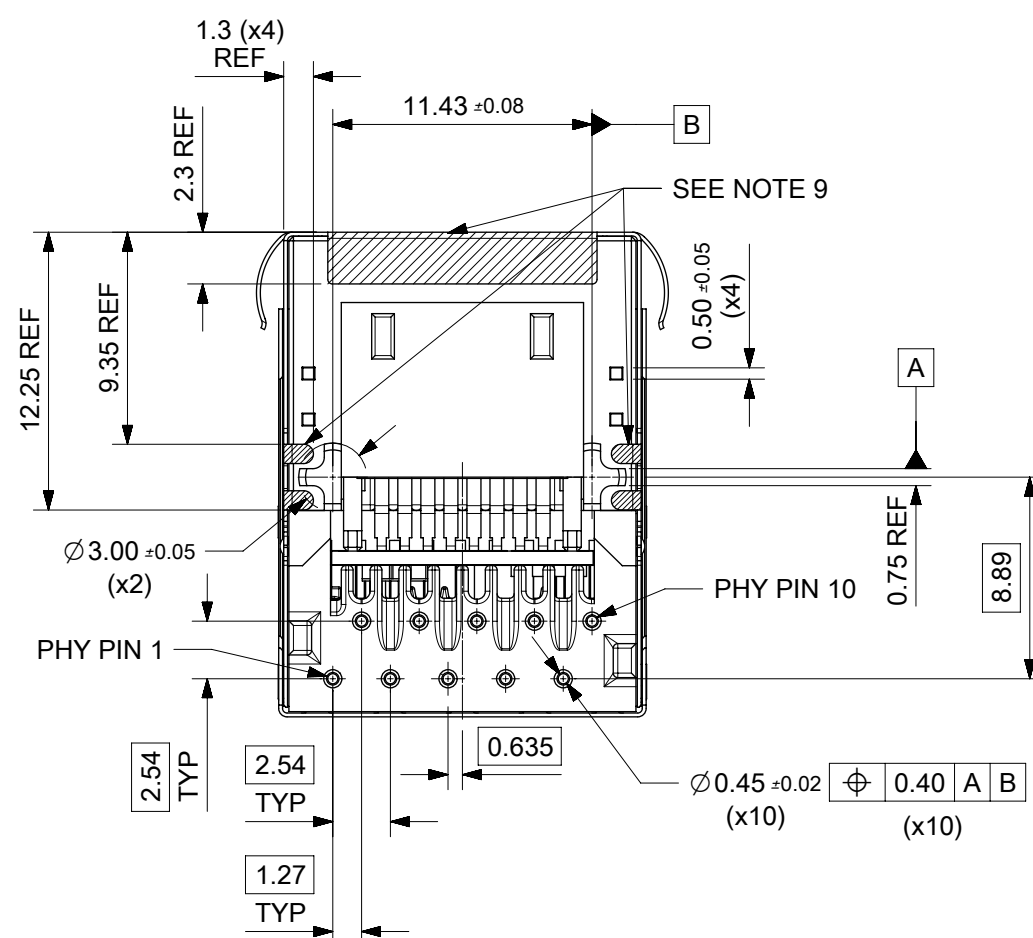
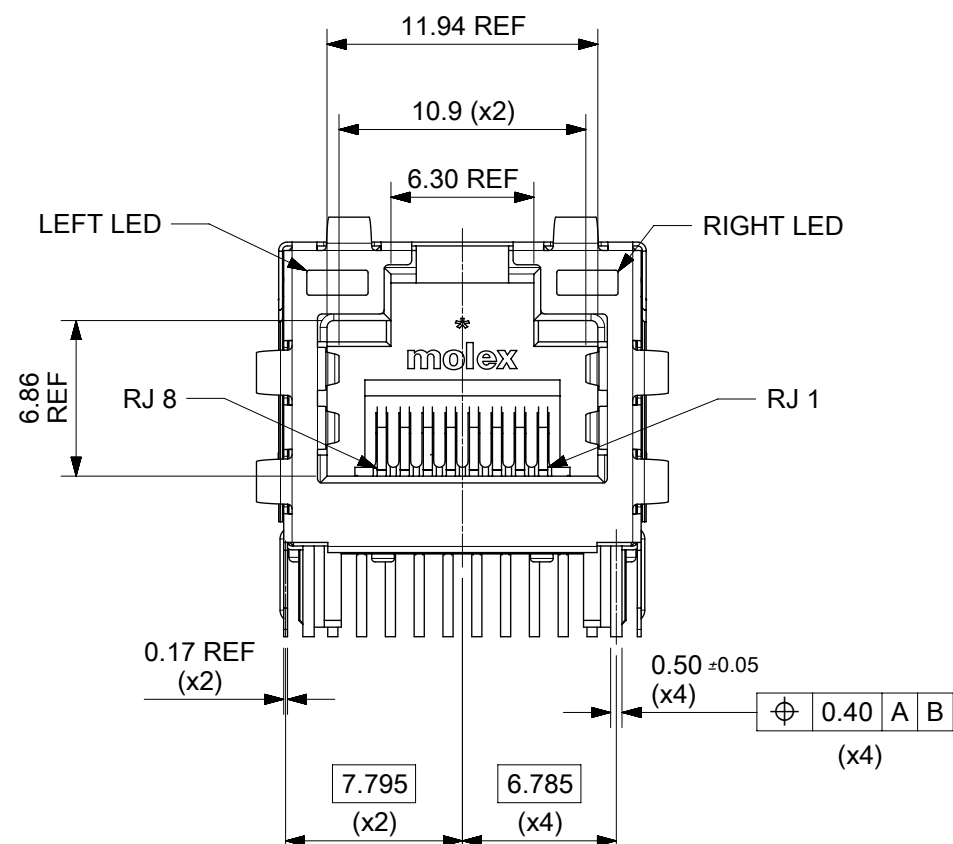
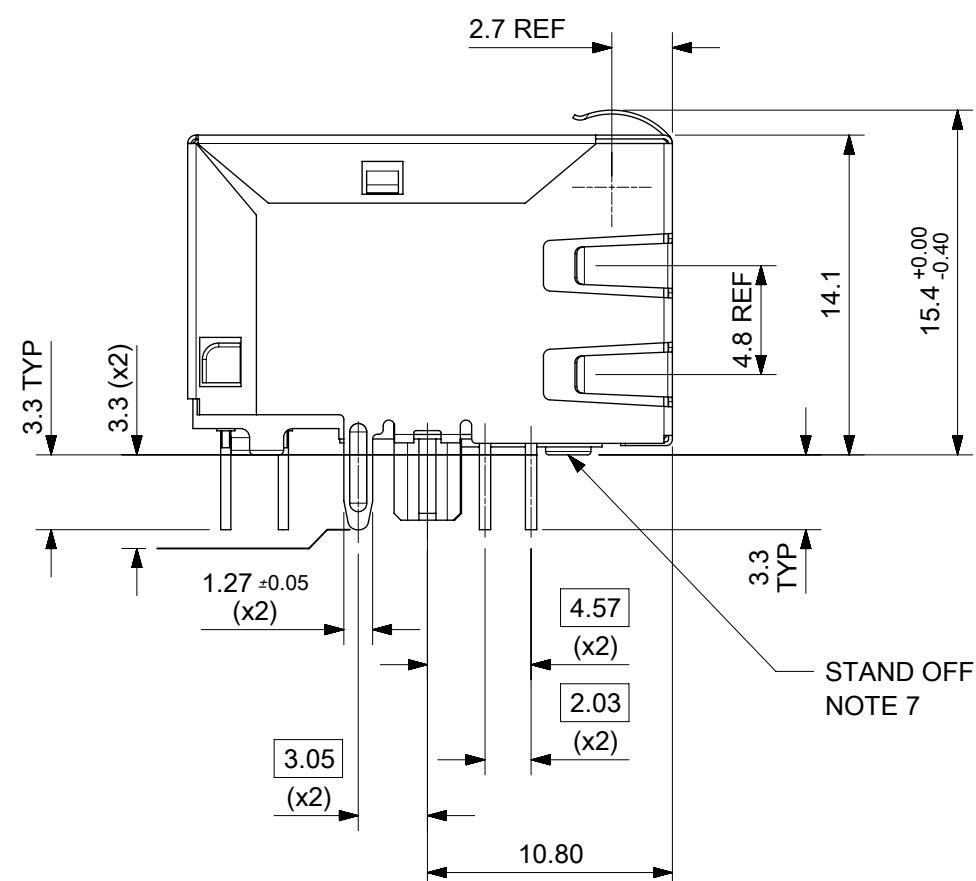


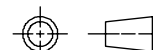
INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/LED
AND W/SHIELD TABS

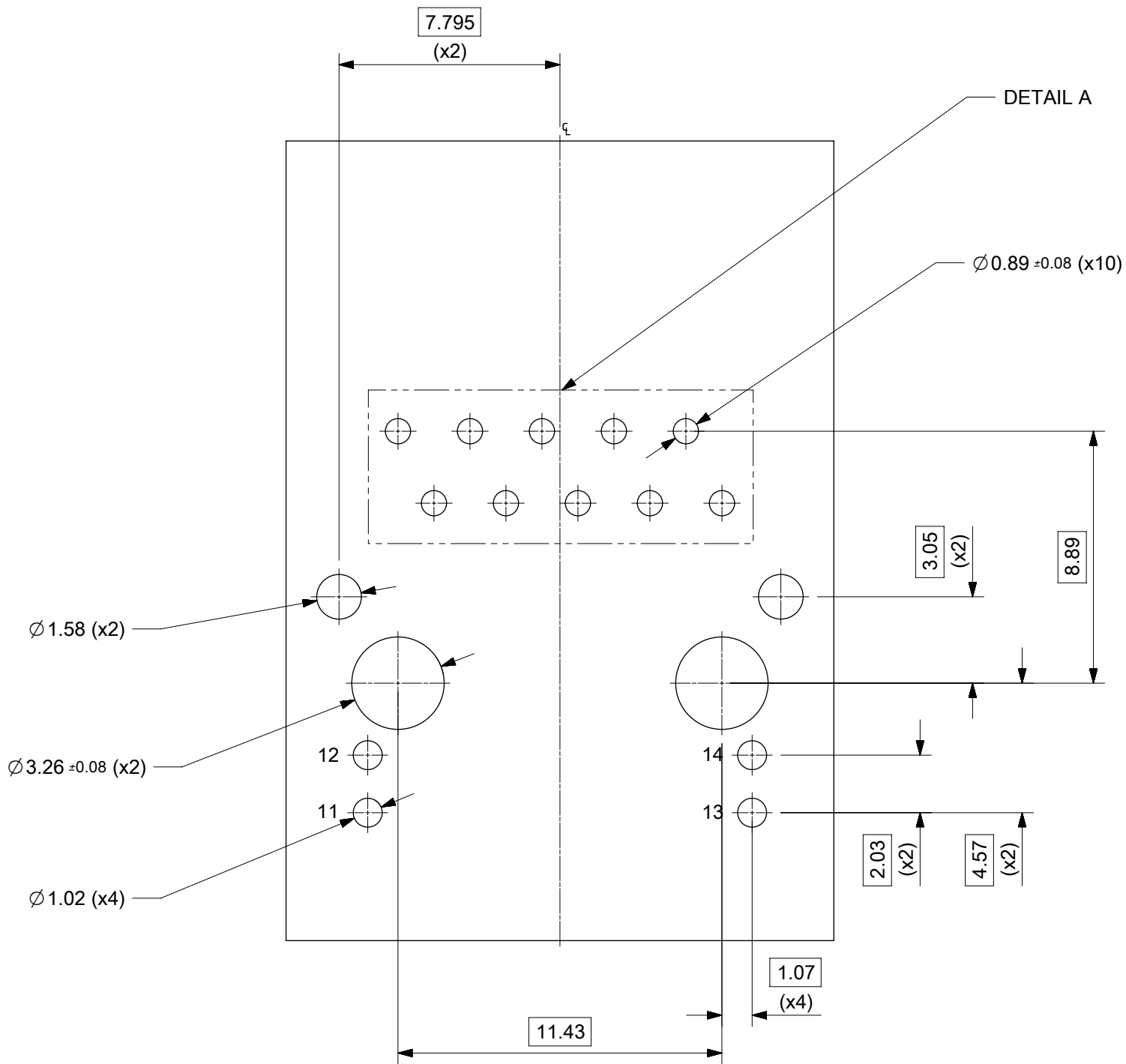


NOTES:

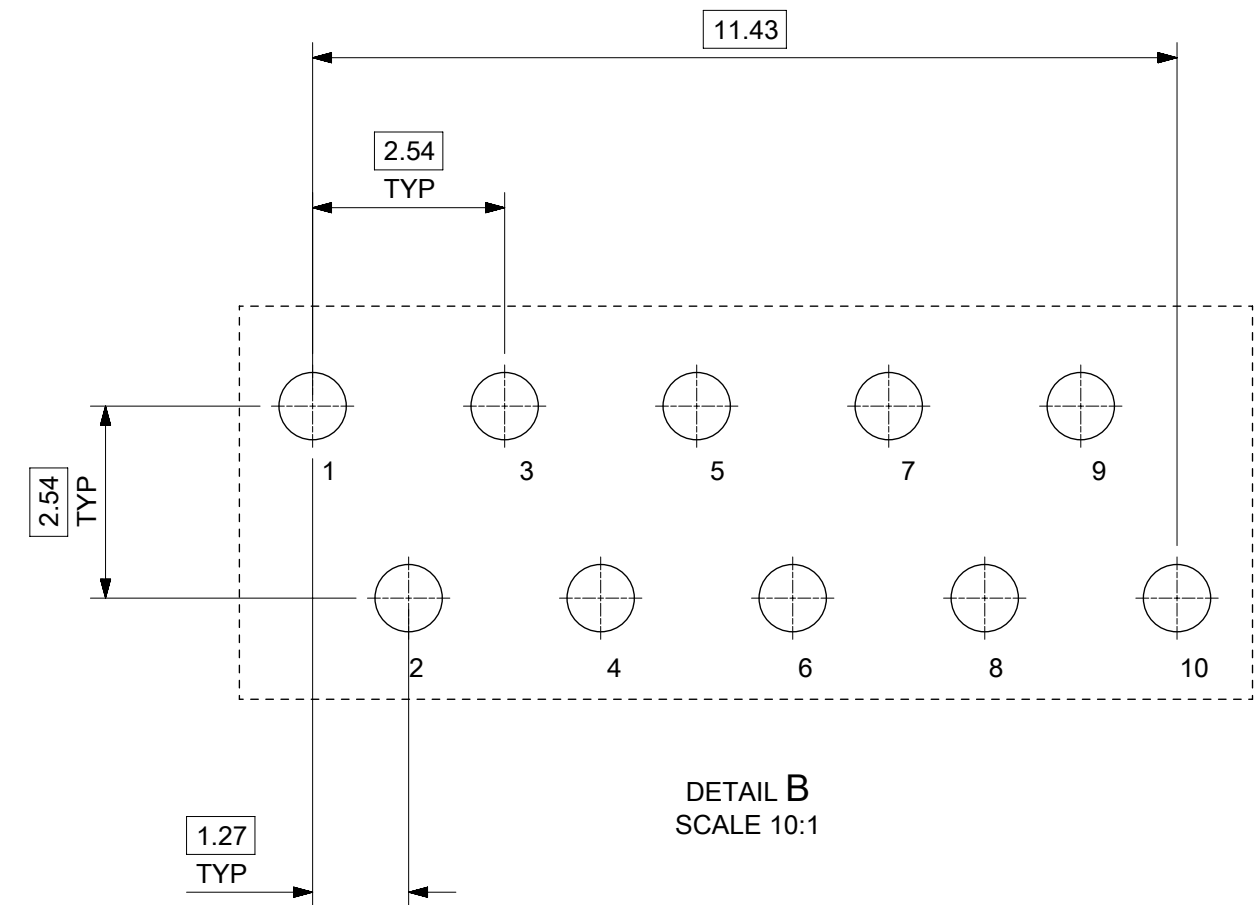
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 μ m TIN
- 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
- 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP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



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 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex®								
					mm	3:1									
			ANGULAR TOL ± 2.0 °		DRWN BY		DATE		INV PRO MX MAG 8 CORE GIG W/LED W/EMI						
					KREILLY		2015/08/31								
			4 PLACES	±	CHKD BY		DATE								
			3 PLACES	±	DBYRNES		2017/02/22								
			2 PLACES	± 0.1	APPR BY		DATE								
			1 PLACE	± 0.2	STGRIFFIN		2015/11/20		PRODUCT CUSTOMER DRAWING						
			0 PLACES	±	DRAWING SIZE		THIRD ANGLE PROJECTION								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A2			SERIES	MATERIAL NUMBER		CUSTOMER			
C	REV					93627	SEE TABLE ON SHEET 2		GENERAL MARKET						
							DOCUMENT NUMBER	936270003		DOC TYPE	DOC PART	SHEET NUMBER			
									PSD	000	1 OF 3				

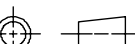


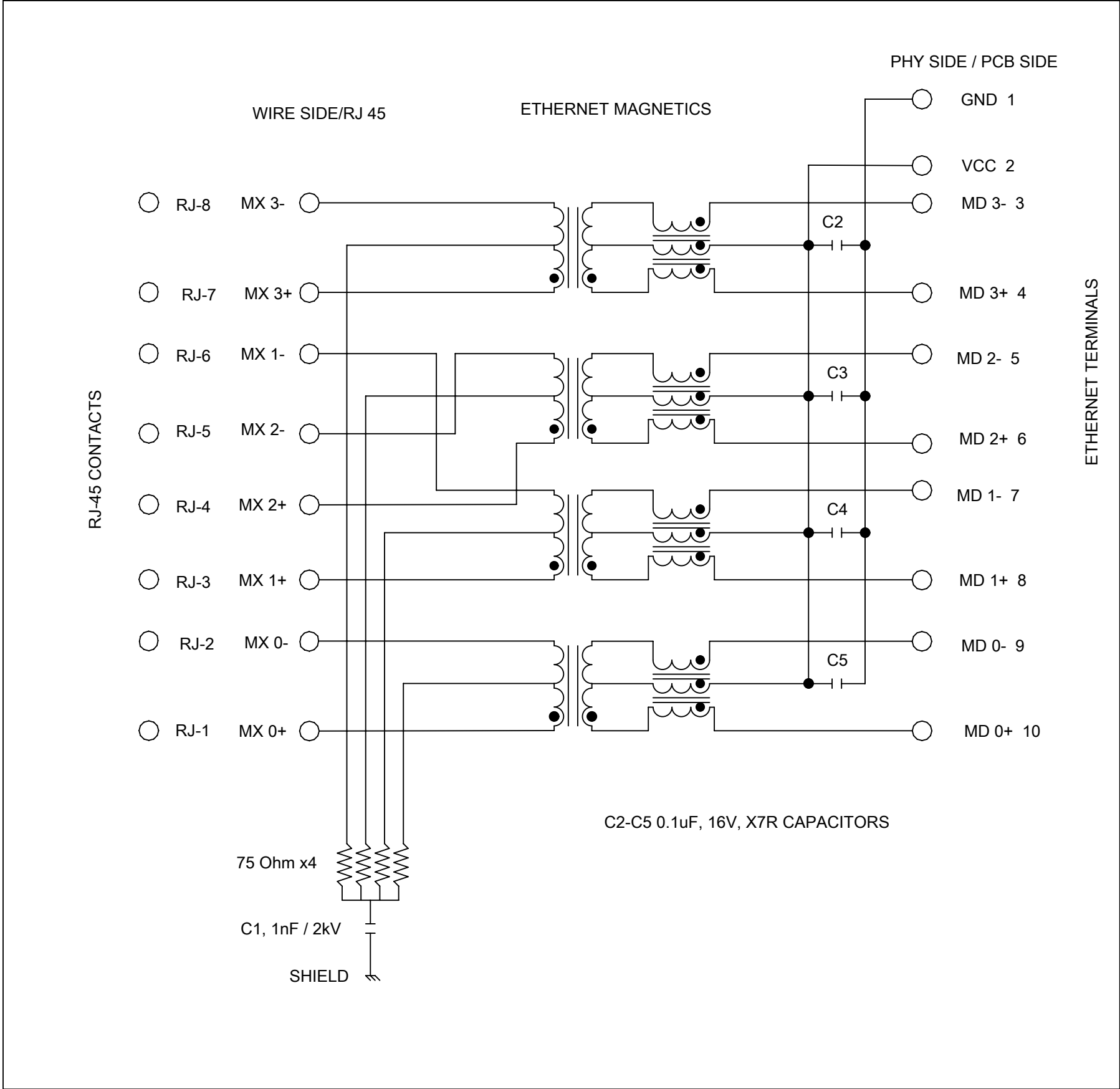
SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS



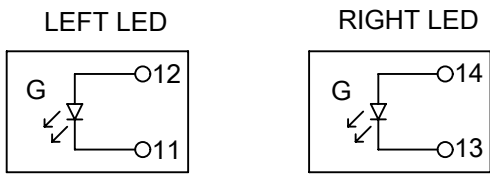
DETAIL B
SCALE 10:1
PIN CONFIGURATION
FOR GIGABIT VERSION

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

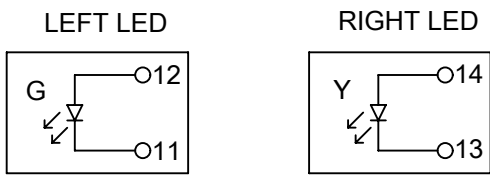
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
REVISED	EC NO: 116686 DRWN: KREILLY CHKD: DSHEA APPR: DBYRNES	2017/05/09 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® INV PRO MX MAG 8 CORE GIG W/LED W/EMI					
			ANGULAR TOL ± 2.0 °		mm		5:1							
			4 PLACES ±		DRWN BY		DATE							
			3 PLACES ±		KREILLY		2015/08/31							
			2 PLACES ± 0.1		CHK'D BY		DATE		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		SERIES		MATERIAL NUMBER		CUSTOMER	
			C		A2				93627		SEE TABLE		GENERAL MARKET	
			REV						DOCUMENT NUMBER		DOC TYPE		SHEET NUMBER	
						936270003		PSD		2 OF 3				



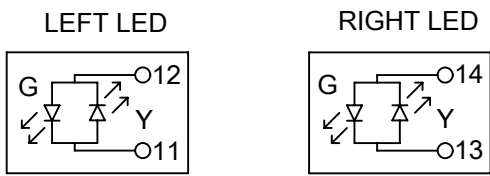
Description	Value	
OCL @100 kHz, 0.1 V 8 mA DC bias (0°C to +70°C)	350 µH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency f, (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9	0.4+0.1*log(f)	0.5 @ 10 MHz
10-49.9	0.5+0.3*log(f/10)	0.7 @ 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



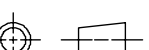
93627-3606



BICOLOUR
OPTION

BICOLOUR
OPTION

93627-3608

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