



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

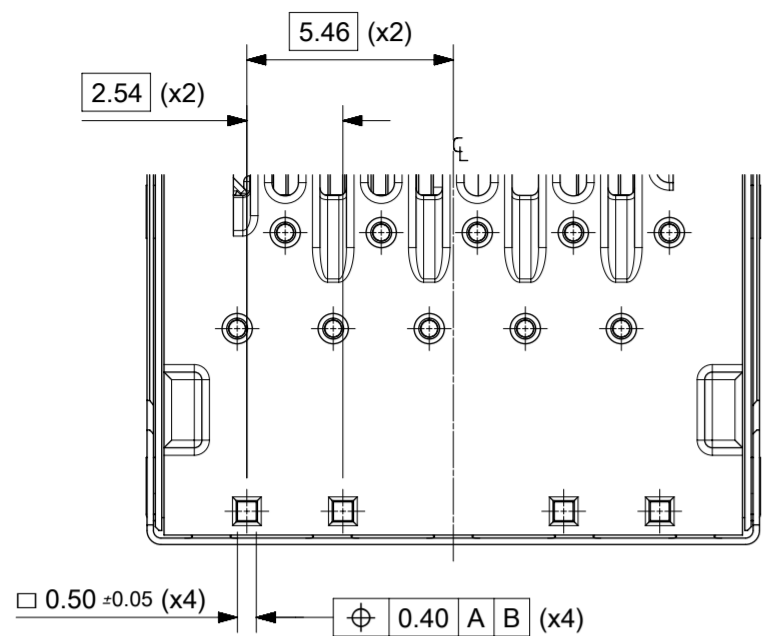
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

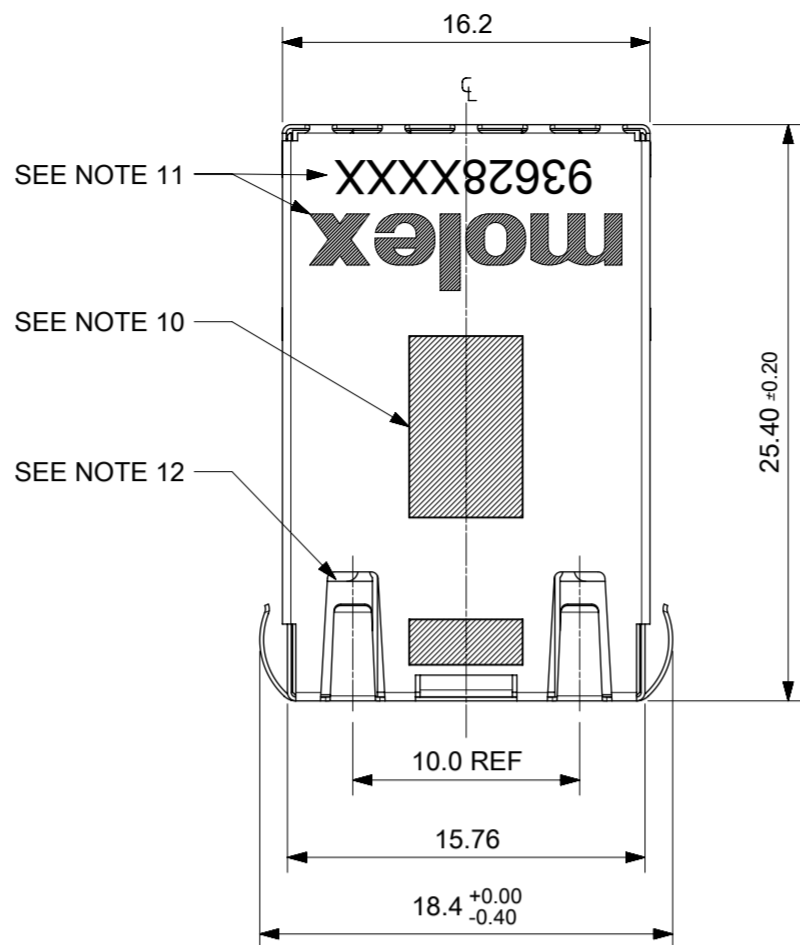
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



1 INCH MAGNETIC JACK
GIGABIT ETHERNET
W/LEDS W/SHIELD TABS



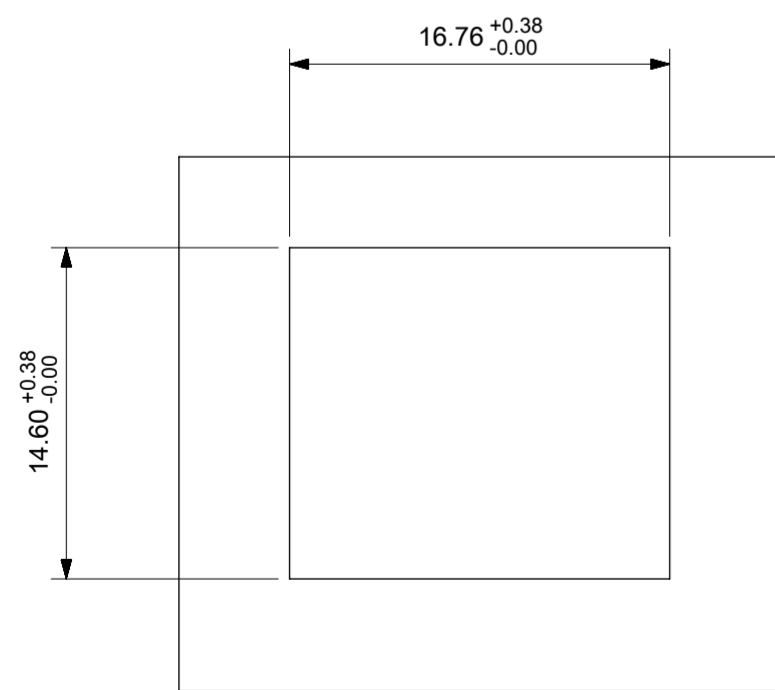
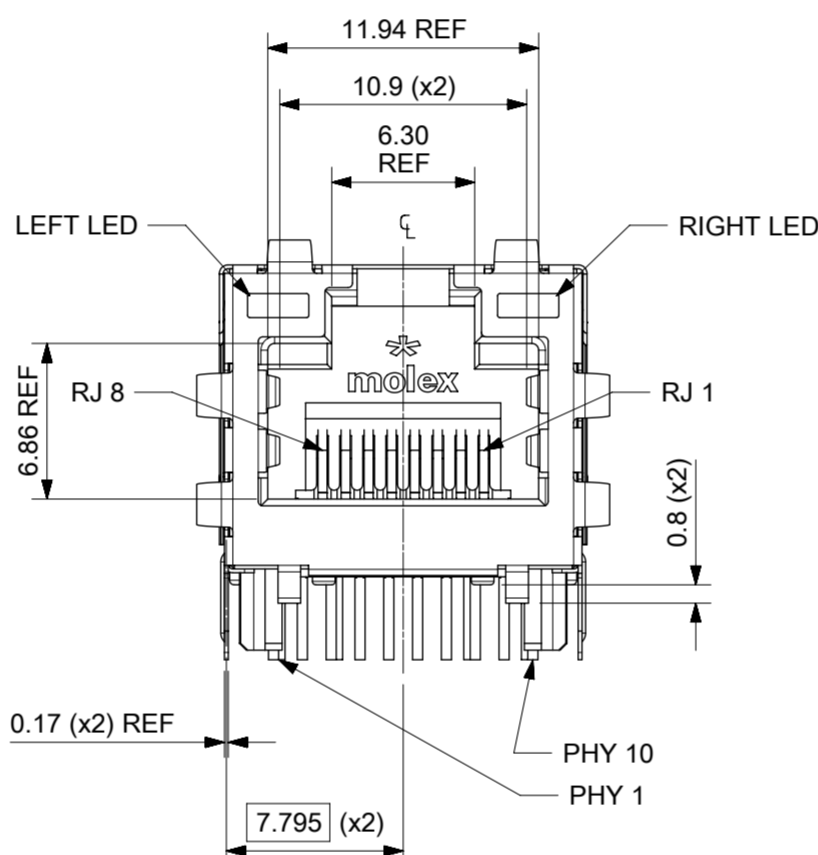
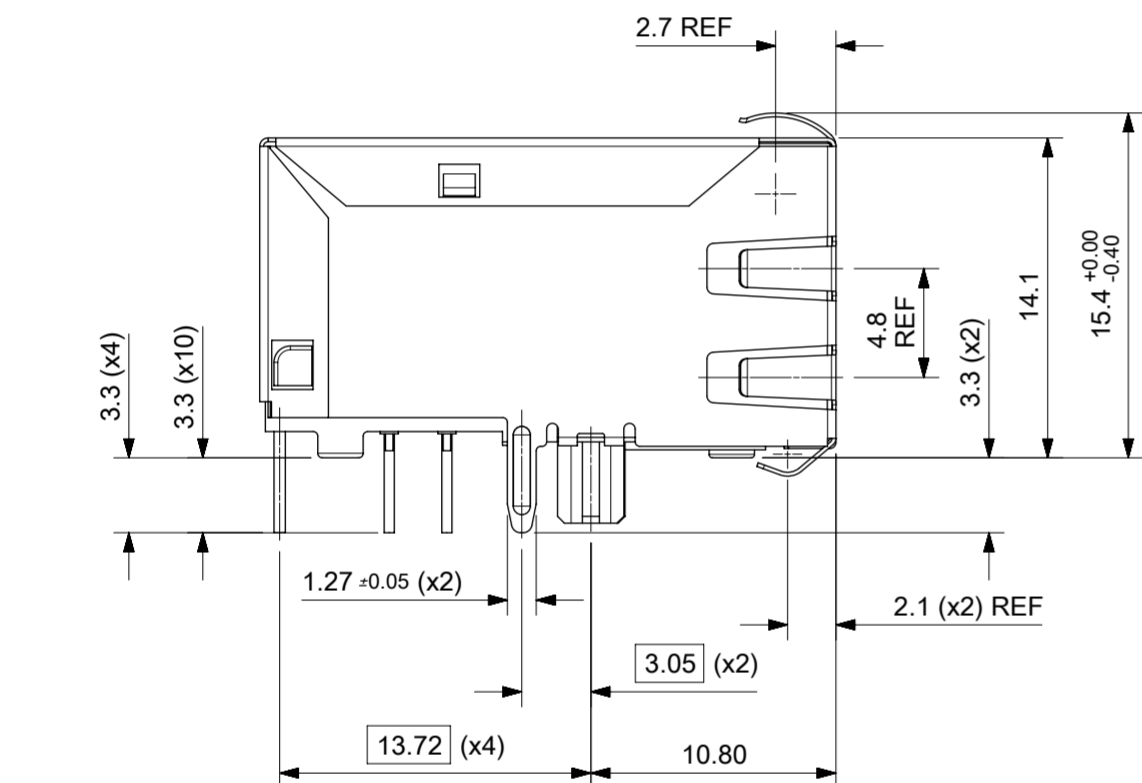
DETAIL A
SCALE 5:1



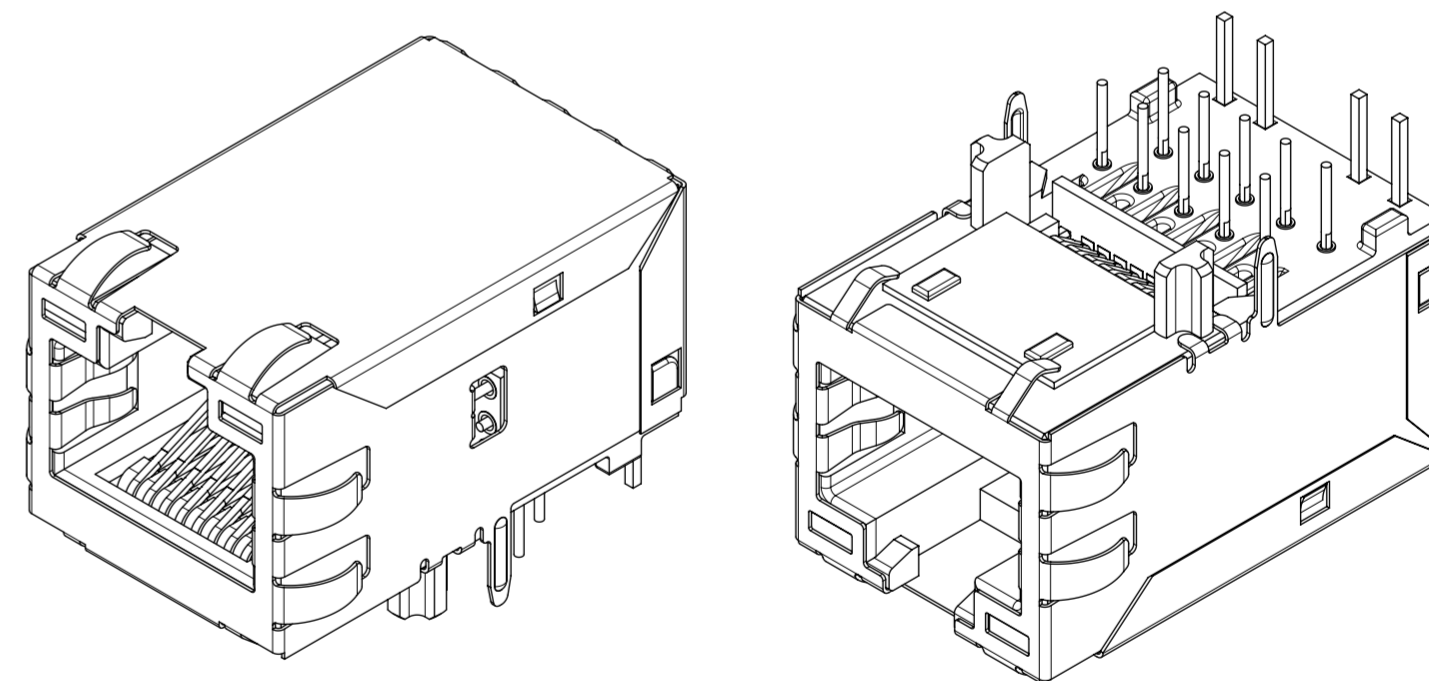
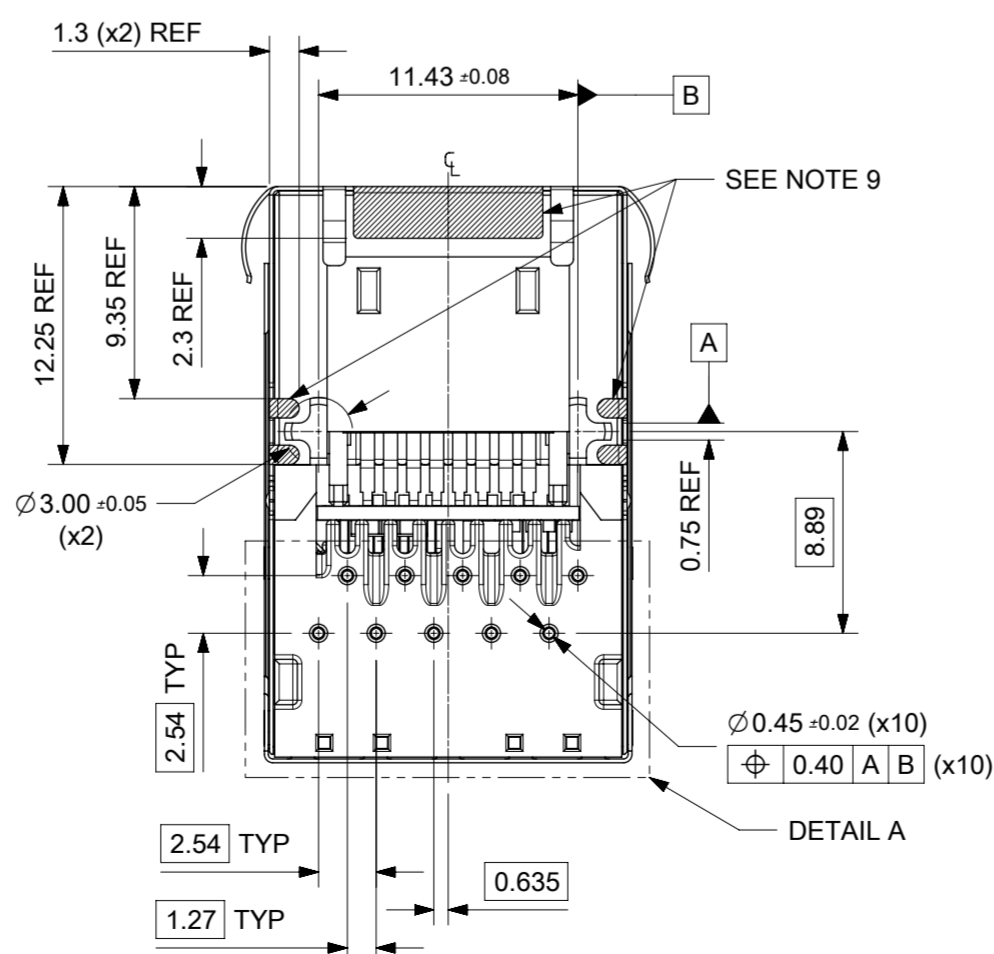
SEE NOTE 11
SEE NOTE 10
SEE NOTE 12

NOTES:

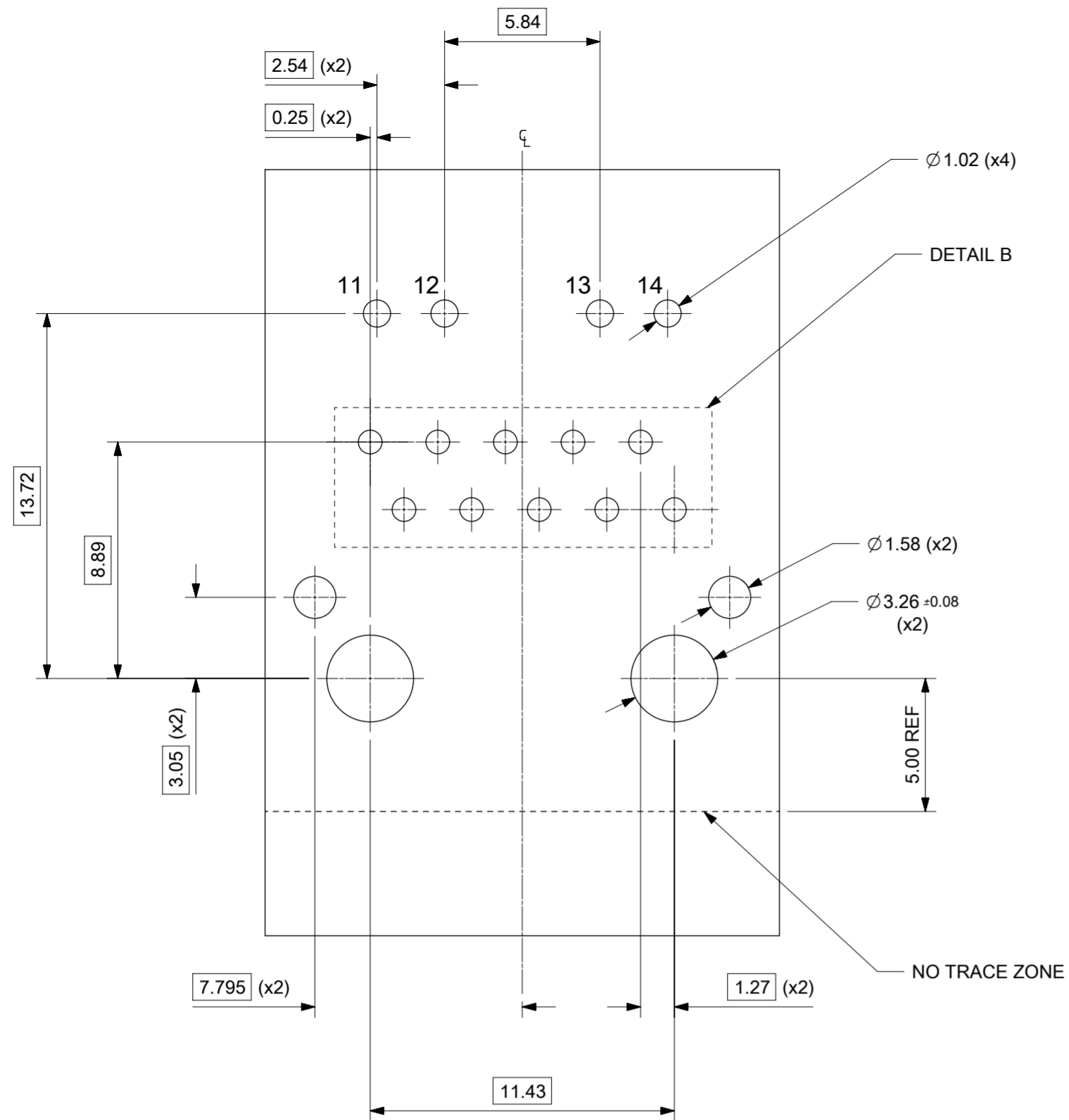
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL.
SOLDER TABS POST DIPPED WITH MIN. 1.27 μm TIN
- 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
- 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACT PLATING: BASE NICKEL, GOLD FLASH OVER PALLADIUM NICKEL
PHY SOLDER TAILS: COPPOR ALLOY REFER TO 934620001 PSP
- 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 REF
- 9 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS.
- 10 - AREA FOR PICK & 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:
DATA CODE (DAY/WEEK/YEAR)
- 13 - MATERIAL COMPLIANT TO ROHS DIRECTIVE 2002/95/EC



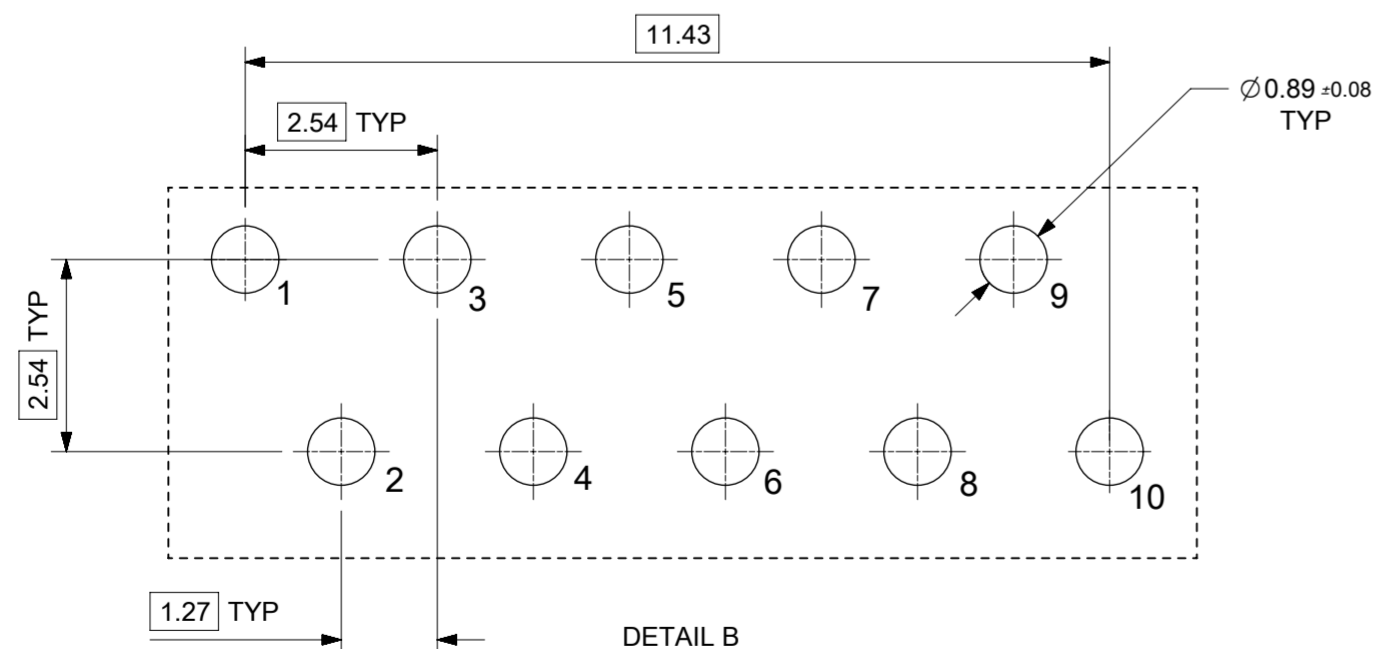
SUGGESTED PANEL CUT-OUT



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
UPDATED SCHEMATIC EC NO: 167044 DRWN: KREILLY CHKD: DSHEA REV: APPR: DBYRNES	2017/10/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	 1" MXMAG 8 CORE GIG COM						
	2017/10/31	ANGULAR TOL ± 2.0 °		mm	3:1							
	2017/11/22	4 PLACES ±	DRWN BY	DATE								
		3 PLACES ±	KREILLY	2015/09/28								
		2 PLACES ± 0.1	CHK'D BY	DATE								
	1 PLACE ± 0.2	DBYRNES	2016/09/19			PRODUCT CUSTOMER DRAWING						
	0 PLACES ±	JALEXANDER	2016/01/07			SERIES	MATERIAL NUMBER	CUSTOMER				
						93628	SEE TABLE ON SHEET 2	GENERAL MARKET				
						DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER			
						936280001	PSD	000	1 OF 3			



SUGGESTED BOARD LAYOUT
GIGABIT ETHERNET
VIEW FROM COMPONENT SIDE
ALL DIMS ARE REFERENCE



DETAIL B
SCALE 10:1

PIN CONFIGURATION
FOR GIG ETHERNET

PART NUMBER	LEFT LED	RIGHT LED
936283721	GREEN	GREEN
936283725	GREEN	GREEN/YELLOW

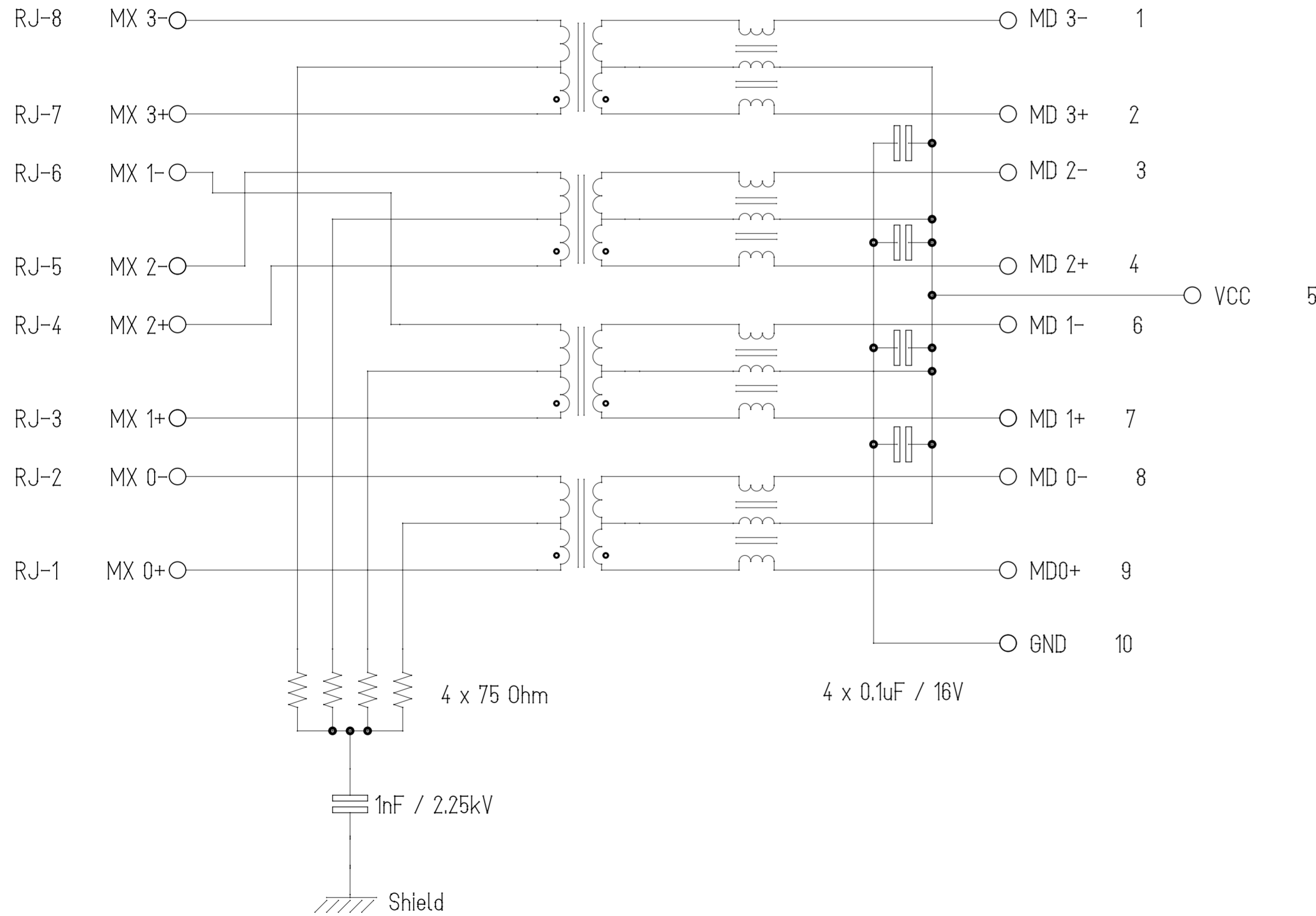
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
UPDATED SCHEMATIC EC NO: 167044 DRWN: KREILLY CHKD: DSHEA REV / APPR: DBYRNES	2017/10/23	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex 1" MXMAG 8 CORE GIG COM				
	2017/10/31	(UNLESS SPECIFIED)	mm	5:1					
	2017/11/22	ANGULAR TOL ± 2.0 °	DRWN BY	DATE	PRODUCT CUSTOMER DRAWING				
			KREILLY	2015/09/28					
		4 PLACES ±	CHK'D BY	DATE	SERIES MATERIAL NUMBER CUSTOMER				
	3 PLACES ±	DBYRNES	2016/09/19						
	2 PLACES ± 0.1	APPR BY	DATE	93628 SEE TABLE ON SHEET 2 GENERAL MARKET					
	1 PLACE ± 0.2	JALEXANDER	2016/01/07						
	0 PLACES ±	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A2							
C				936280001 PSD 000 2 OF 3					

RJ-45 CONTACTS

WIRE-SIDE / RJ-45

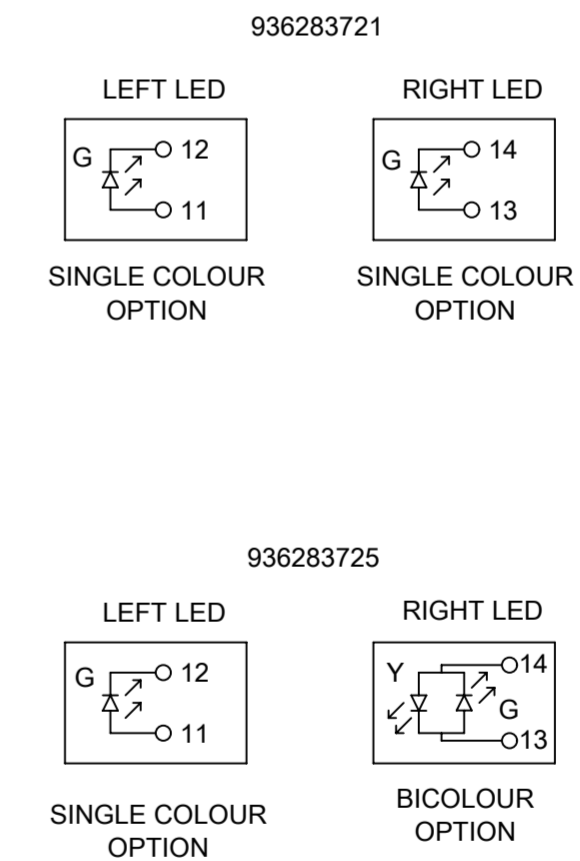
ETHERNET MAGNETICS

PHY-SIDE / PCB SIDE



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 kV DC / 60 s	

ETHERNET TERMINALS



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UPDATED SCHEMATIC EC NO: 167044 DRWN: KREILLY CHK'D: DSHEA REV / APPR: DBYRNES	2017/10/23	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	
	2017/10/31	ANGULAR TOL ± 2.0 °	mm	1:1	
	2017/11/22	4 PLACES ±	DRWN BY	DATE	
		3 PLACES ±	KREILLY	2015/09/28	
	2 PLACES ± 0.1	CHK'D BY	DATE		
	1 PLACE ± 0.2	DBYRNES	2016/09/19		
	0 PLACES ±	APPR BY	DATE		
		JALEXANDER	2016/01/07		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION		
		A2			

PRODUCT CUSTOMER DRAWING		
SERIES	MATERIAL NUMBER	CUSTOMER
93628	SEE TABLE ON SHEET 2	GENERAL MARKET
DOCUMENT NUMBER	DOC TYPE	DOC PART SHEET NUMBER
936280001	PSD	000 3 OF 3