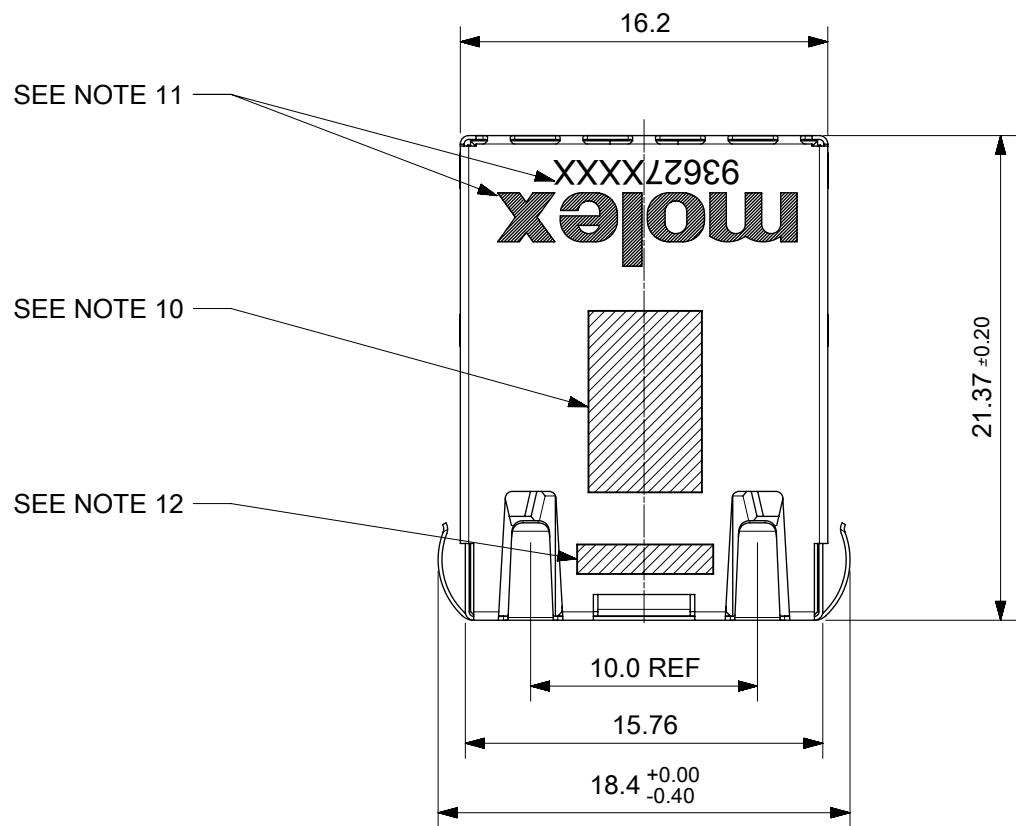
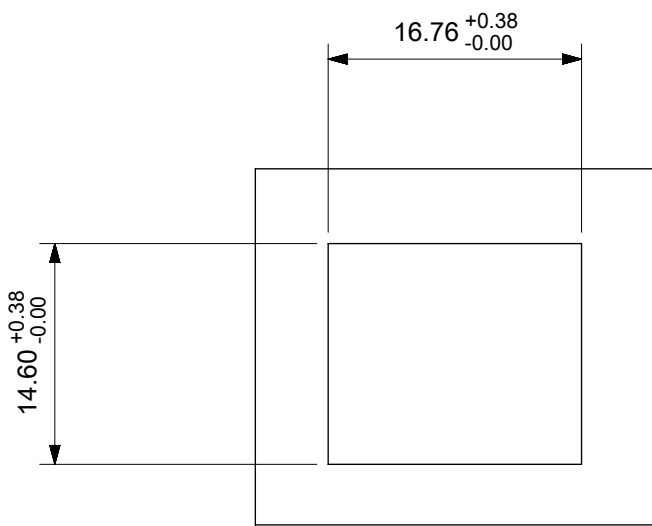
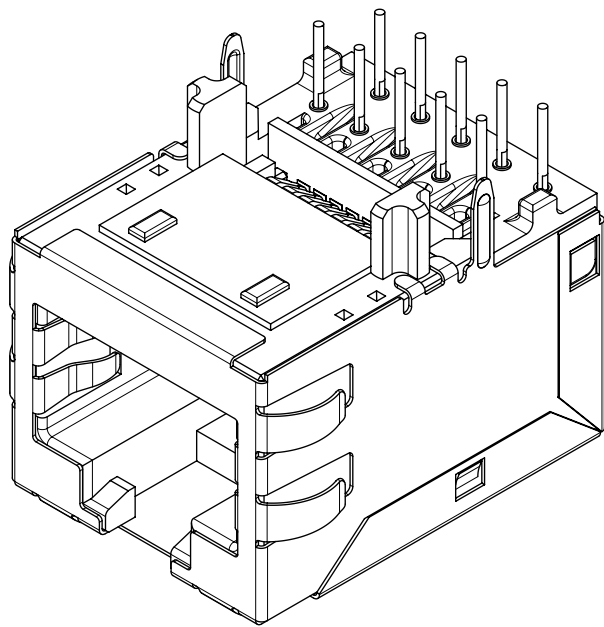
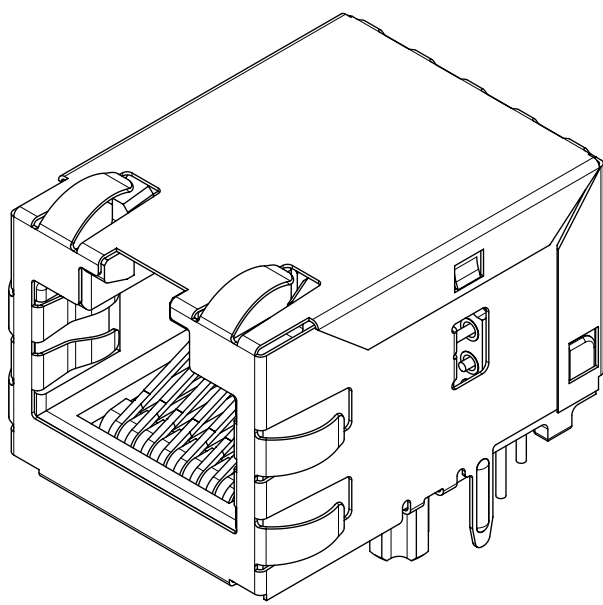
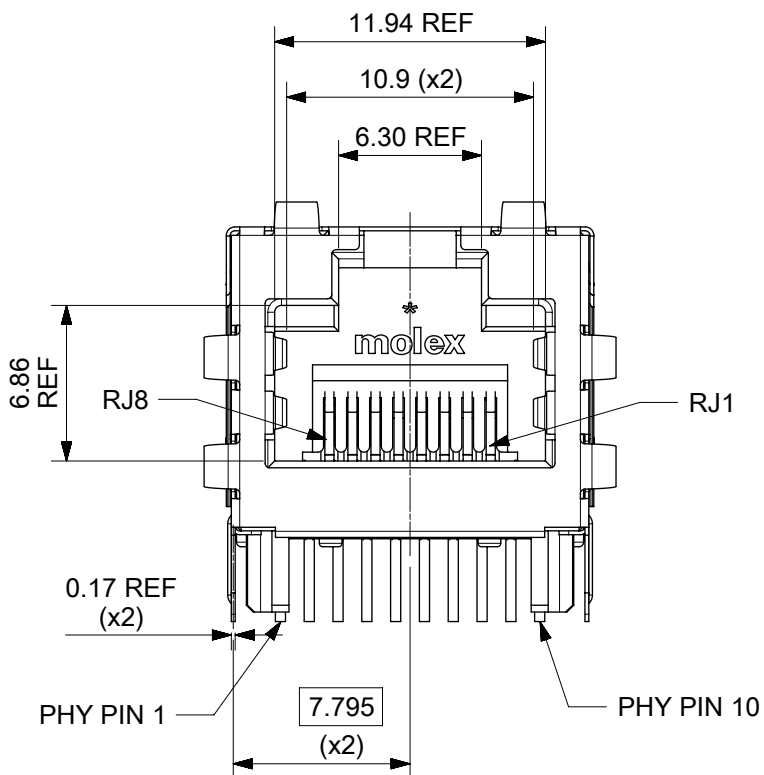
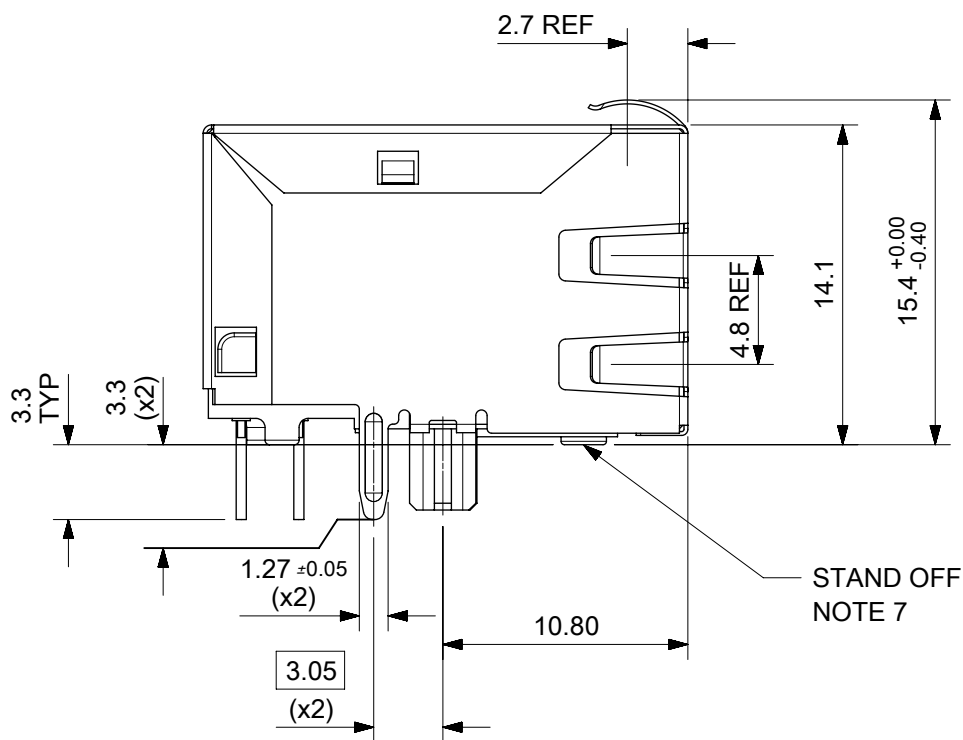


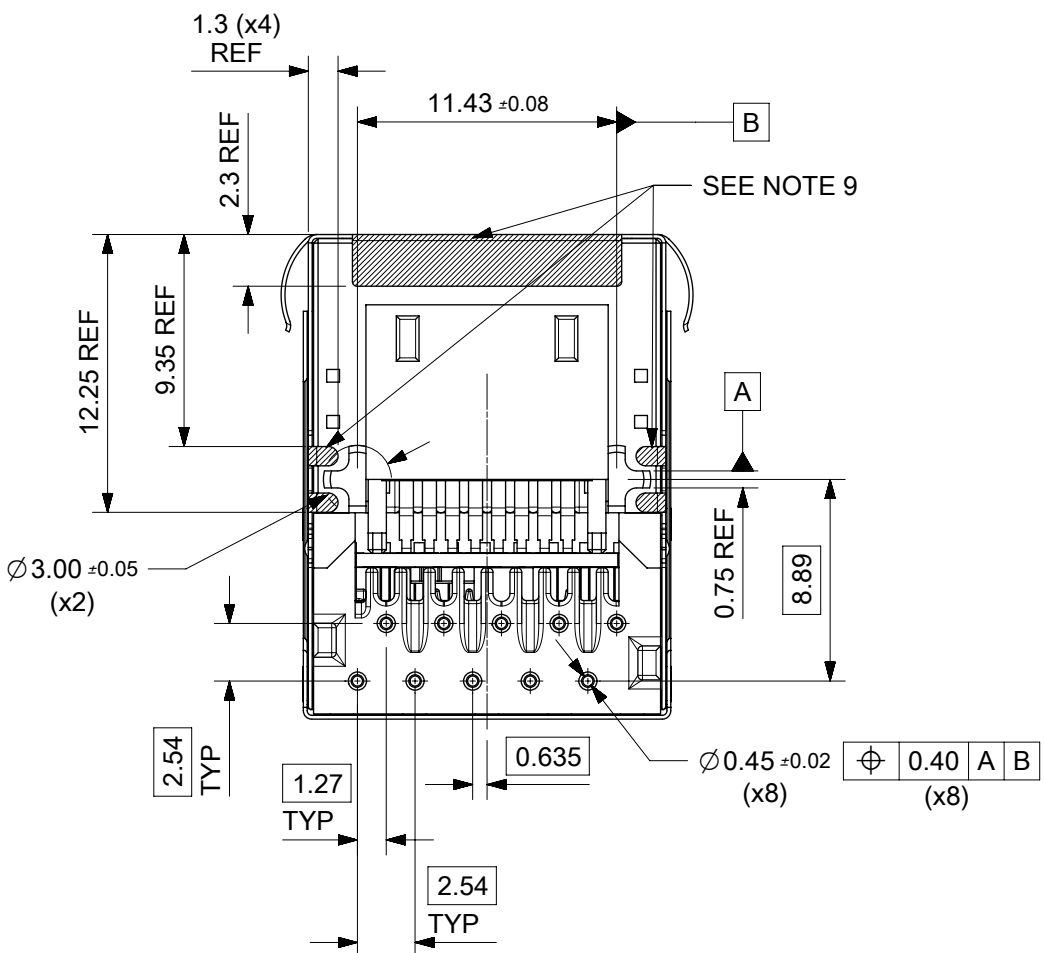
INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/SHIELD TABS

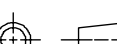


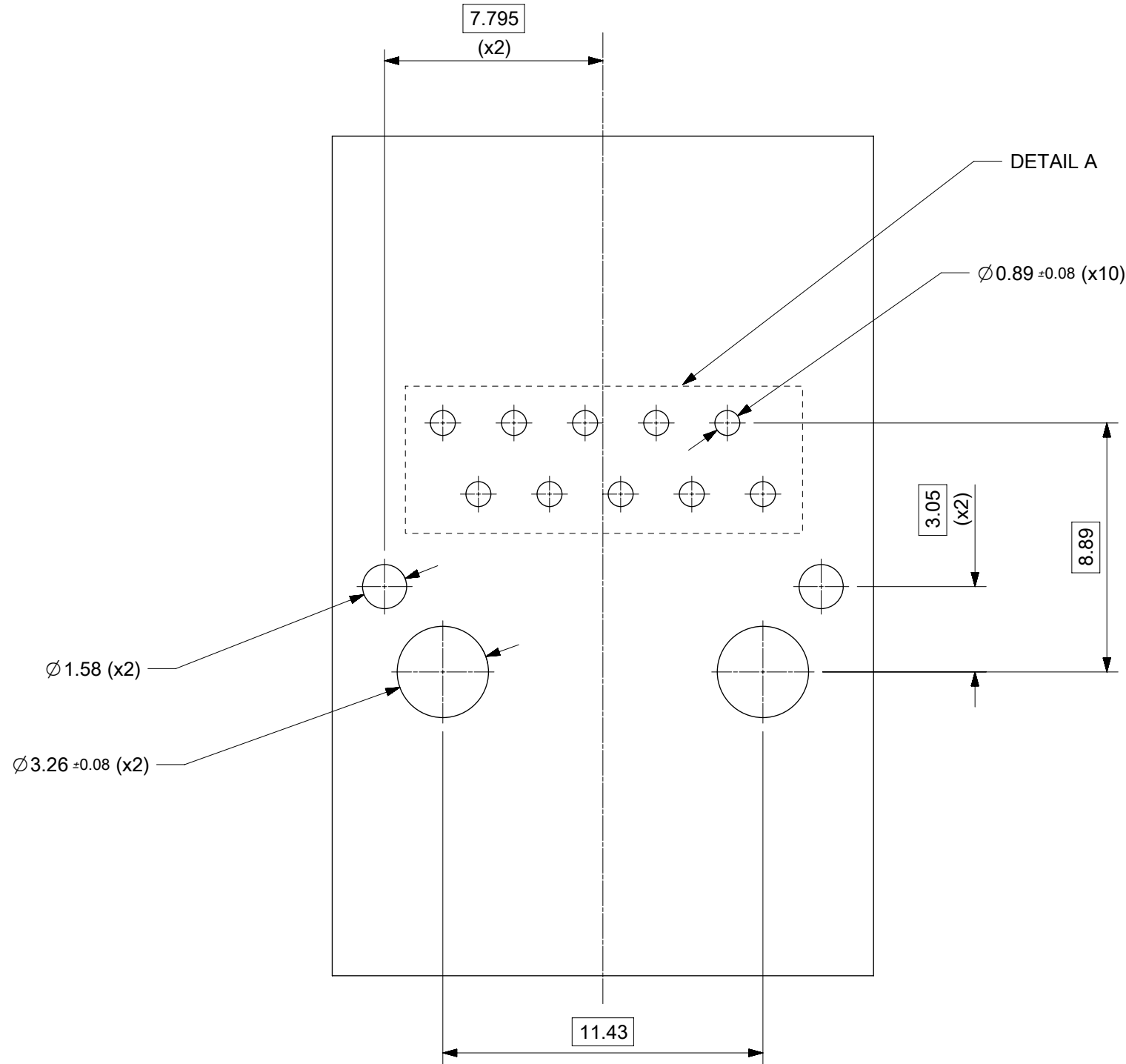
- NOTES:
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 μ m TIN
 - 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001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



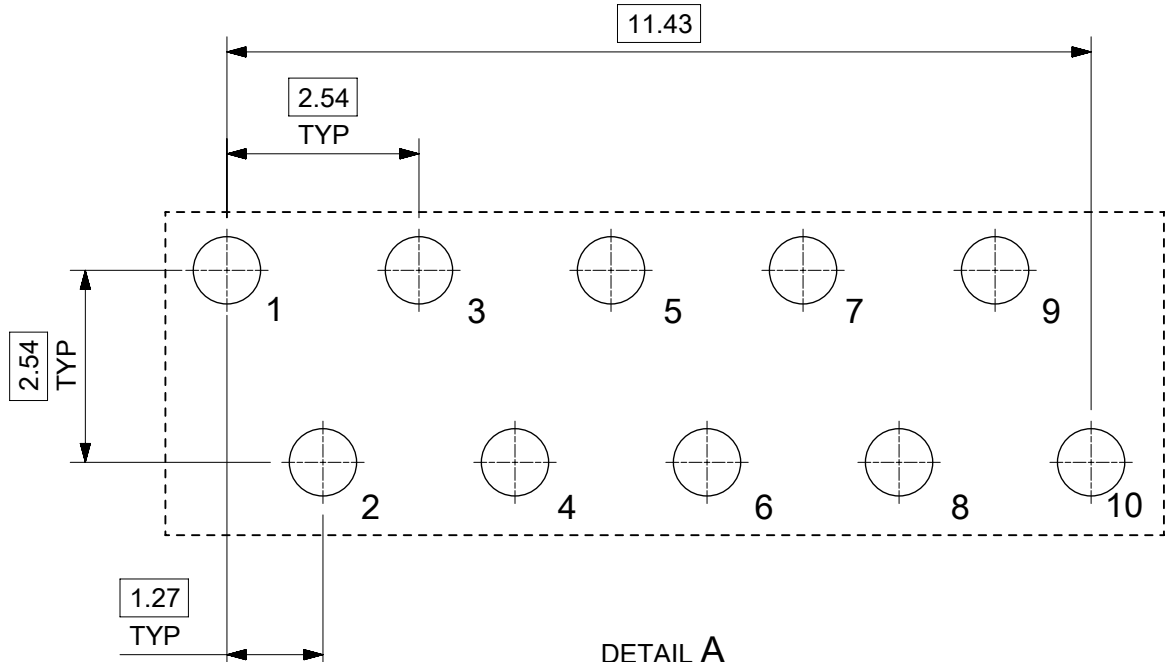
SUGGESTED PANEL CUT-OUT



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 MX-MAG 8CORE GIG NO LED W/SHIELD TAB					
			4 PLACES ±		JKEARNS		2015/11/05							
			3 PLACES ±		CHK'D BY		DATE							
			2 PLACES ± 0.1		JKEARNS		2015/12/17							
			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				93627		SEE TABLE ON SHEET 2		GENERAL MARKET	
					DOCUMENT NUMBER		DOC TYPE		DOC PART					
C	REV	1					936270004		PSD		000			
										SHEET NUMBER		1 OF 3		



SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS



DETAIL A
SCALE 10:1

PIN CONFIGURATION
FOR GIGABIT VERSION

PART NUMBER	LEFT LED	RIGHT LED
93627-8020	N/A	N/A

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REVISED

EC NO: 116686

2017/05/09

DRWN: KREILLY

2017/09/12

CHKD: DSHEA

2017/09/26

REV

APPR: DBYRNES

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 2.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

mm

DRAWN BY

JKEARNS

DATE

2015/11/05

CHK'D BY

JKEARNS

DATE

2015/12/17

APPR BY

STGRIFFIN

DATE

2015/11/19

DRAWING SIZE

A2

THIRD ANGLE PROJECTION

SCALE

5:1

INV MX-MAG 8CORE GIG NO LED W/SHIELD TAB

PRODUCT CUSTOMER DRAWING

SERIES: 93627

MATERIAL NUMBER: SEE TABLE

CUSTOMER: GENERAL MARKET

DOCUMENT NUMBER: 936270004

DOC TYPE: PSD

DOC PART: 000

SHEET NUMBER: 2 OF 3

131211109863

H

G

F

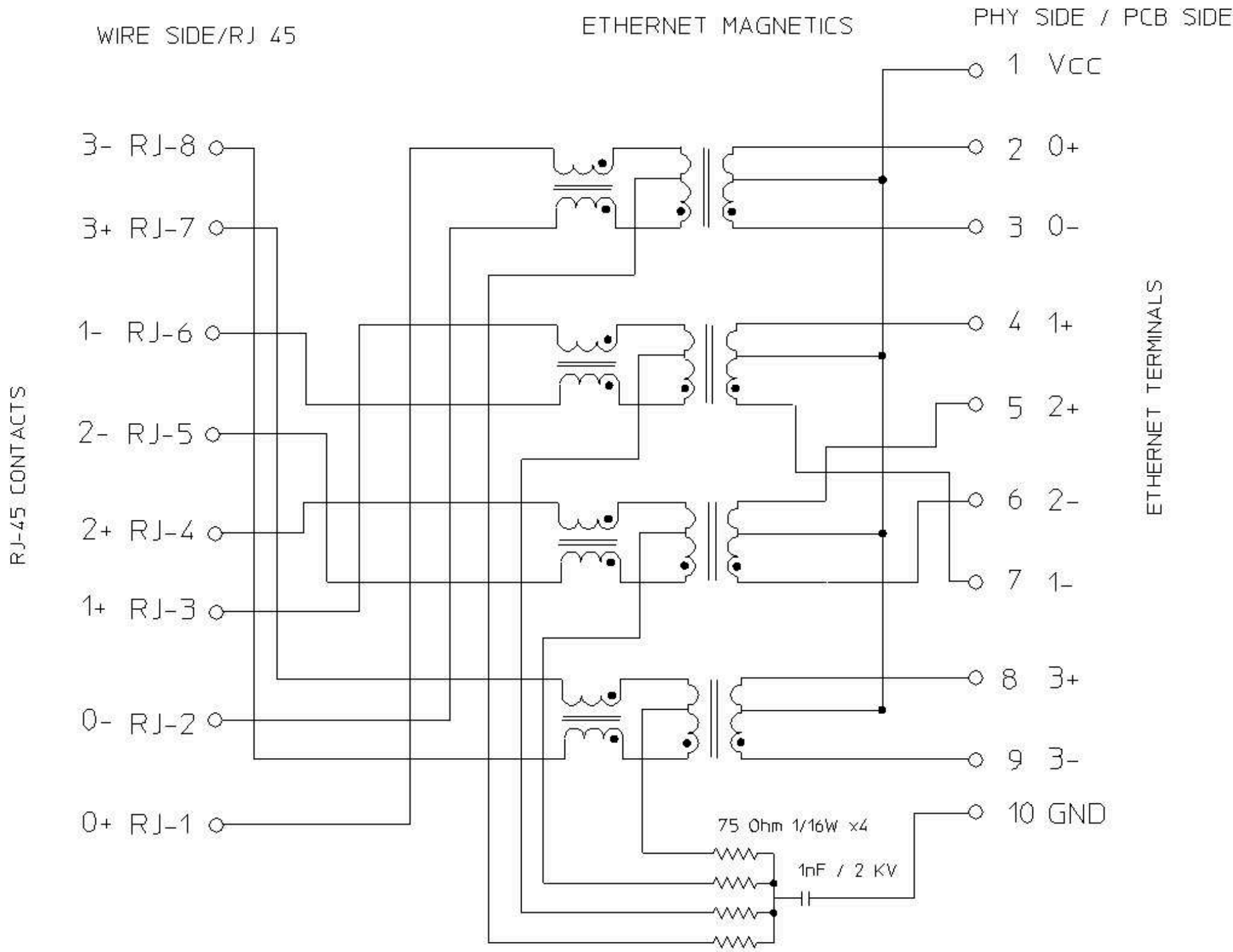
E

D

C

B

A



Description	Value	
OCL @ 100 kHz, 0.1 V 8 mA DC bias (-40°C to +85°C)	350 μ H 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	

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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 ±		JKEARNS		2015/11/05		INV MX-MAG 8CORE GIG NO LED W/SHIELD TAB							
			3 PLACES ±		CHK'D BY		DATE									
			2 PLACES ± 0.1		JKEARNS		2015/12/17		PRODUCT CUSTOMER DRAWING							
			1 PLACE ± 0.2		APPR BY		DATE									
			0 PLACES ±		STGRIFFIN		2015/11/19									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
			C		REV		A2				93627		SEE TABLE ON SHEET 2		GENERAL MARKET	
											DOCUMENT NUMBER		DOC TYPE		DOC PART	
								936270004		PSD		000		3 OF 3		