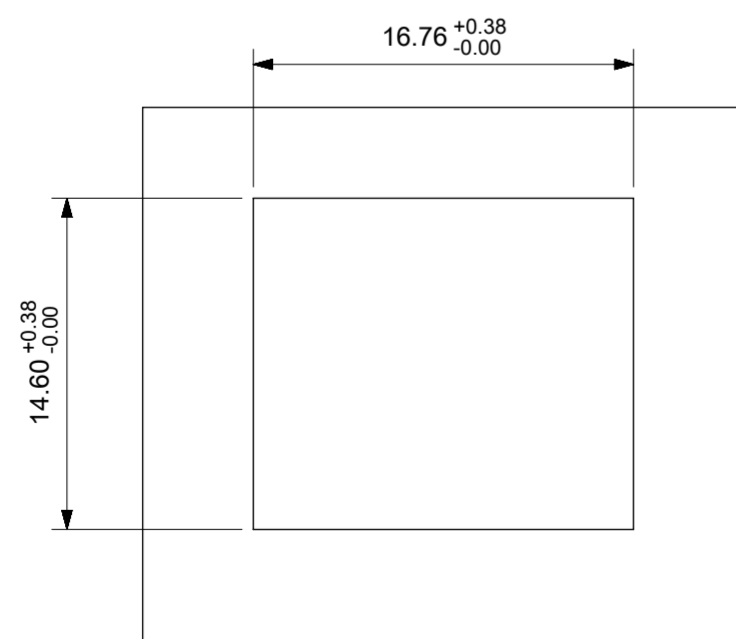
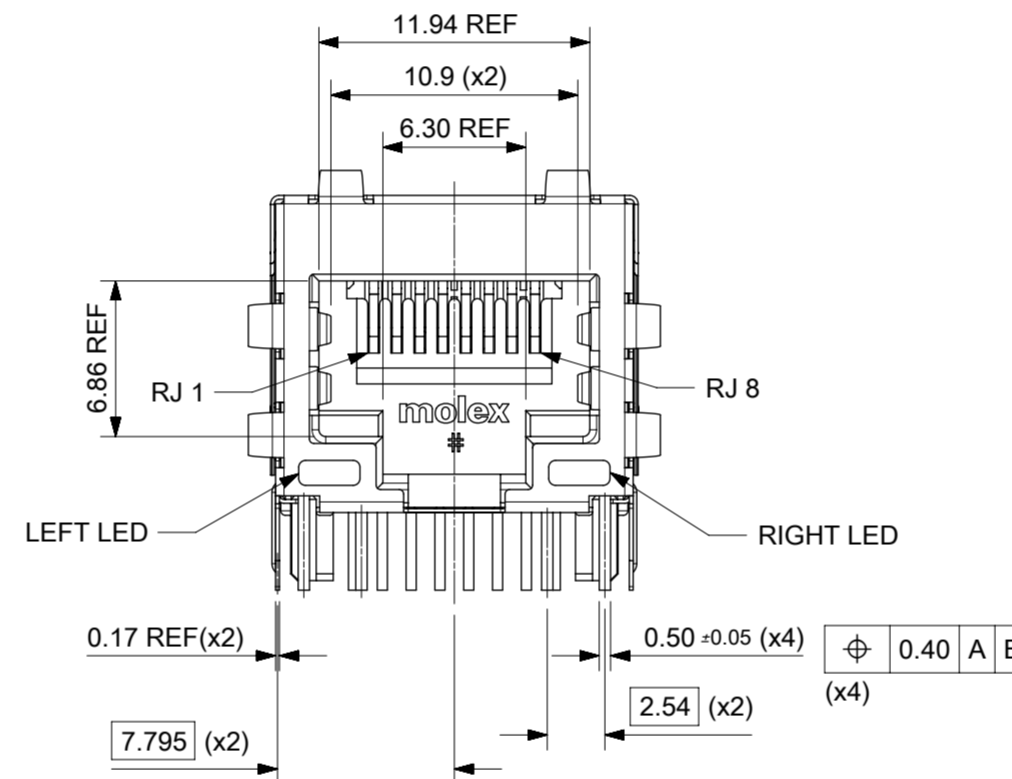
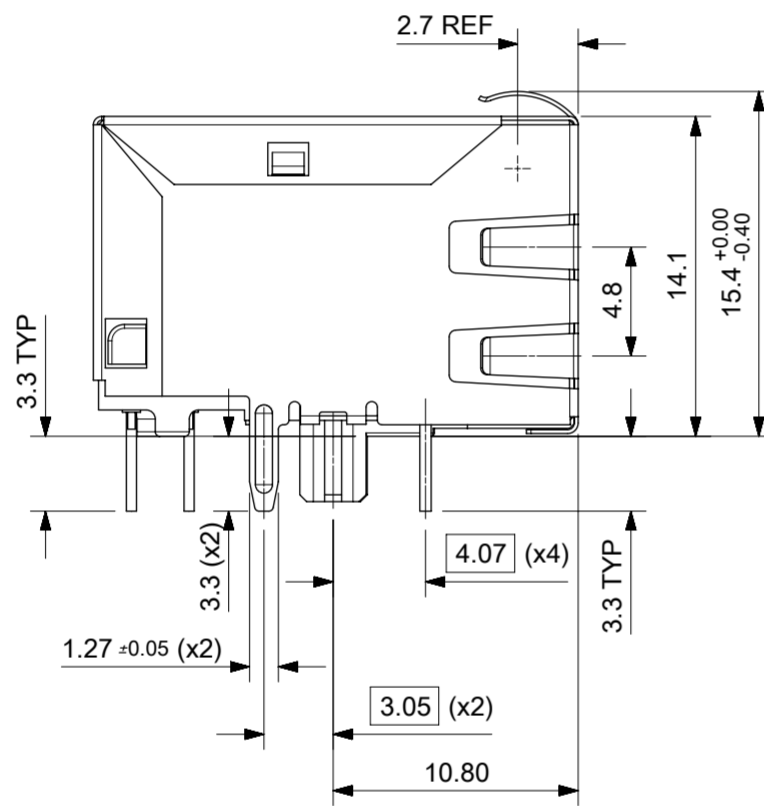
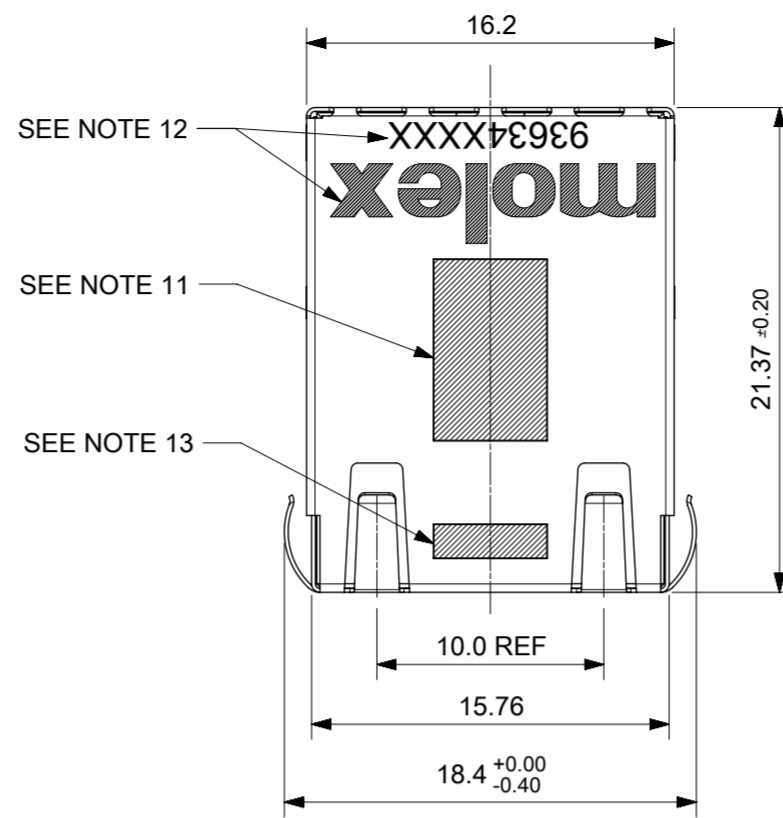
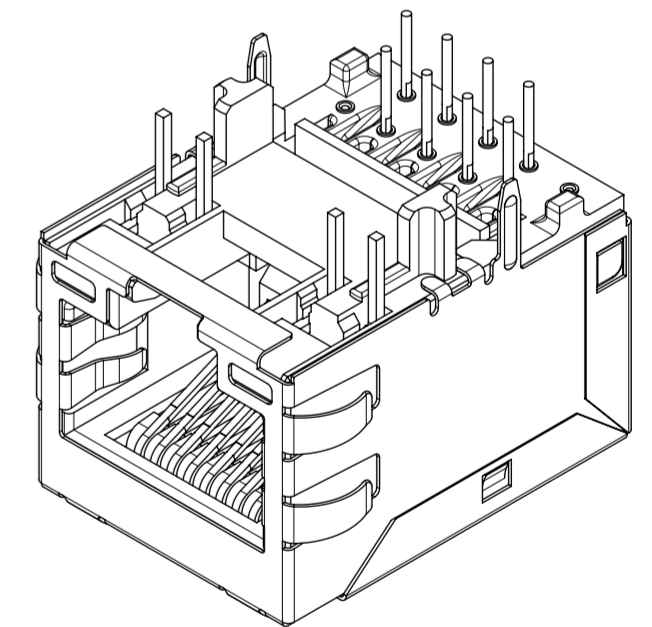
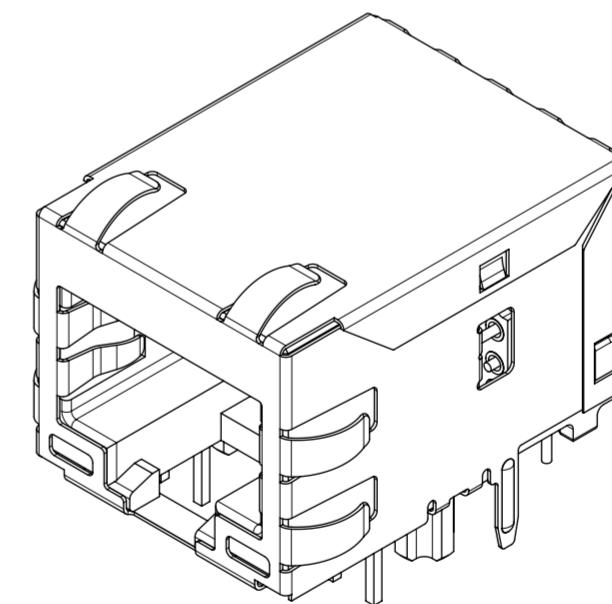
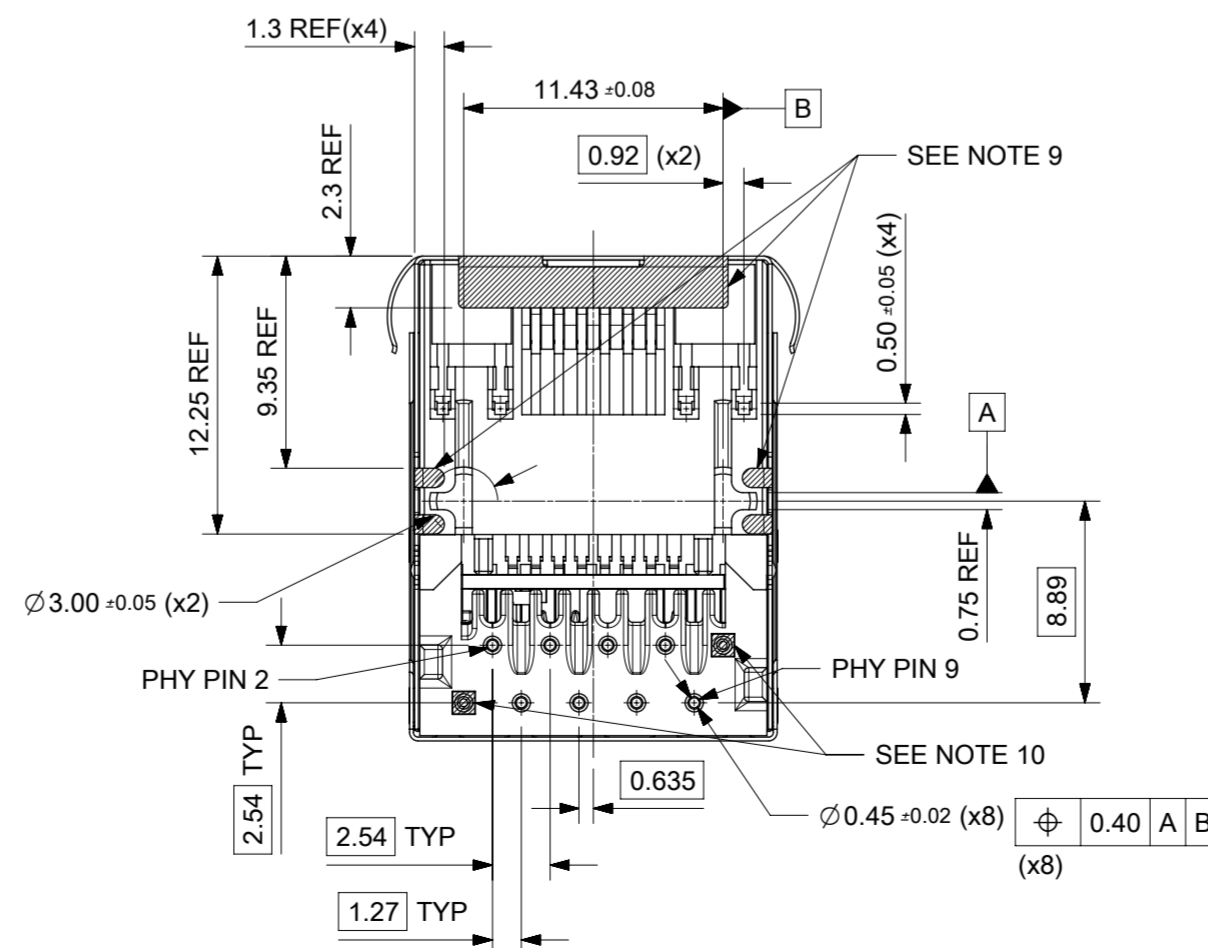


STANDARD PROFILE MAGNETIC JACK
FAST ETHERNET W/ LEDS
AND W/ SHIELD TABS TOP AND SIDE

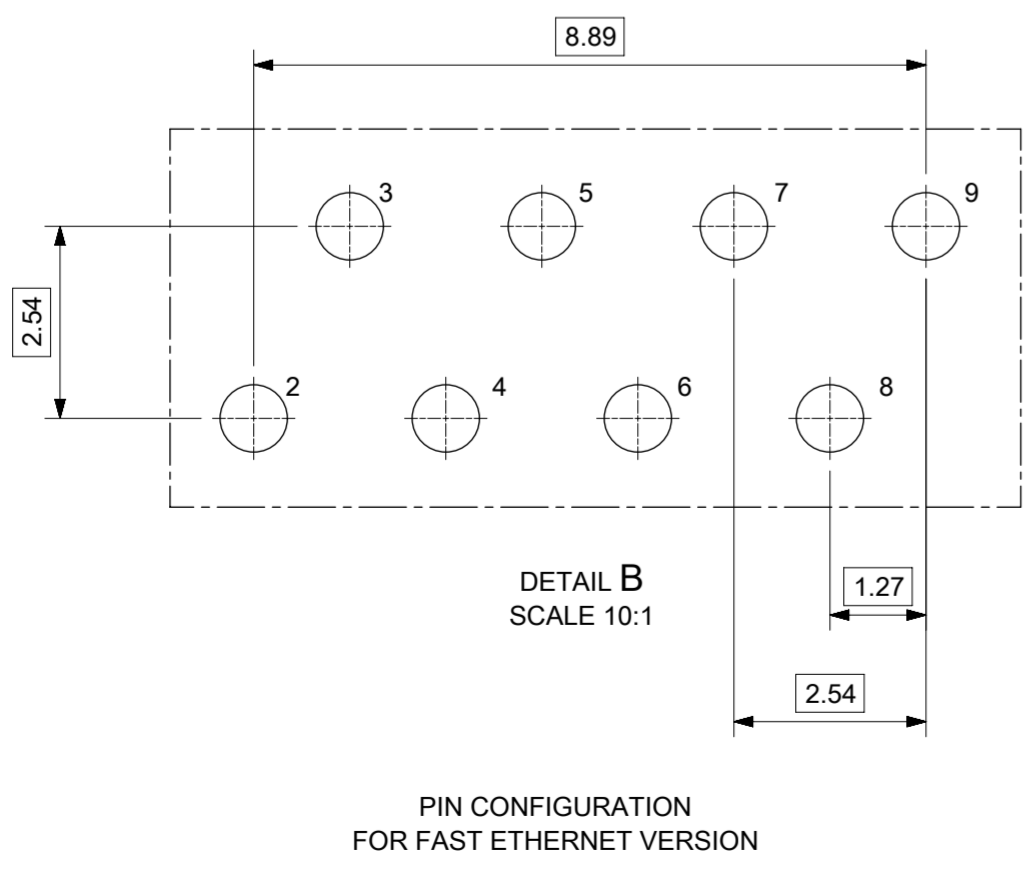
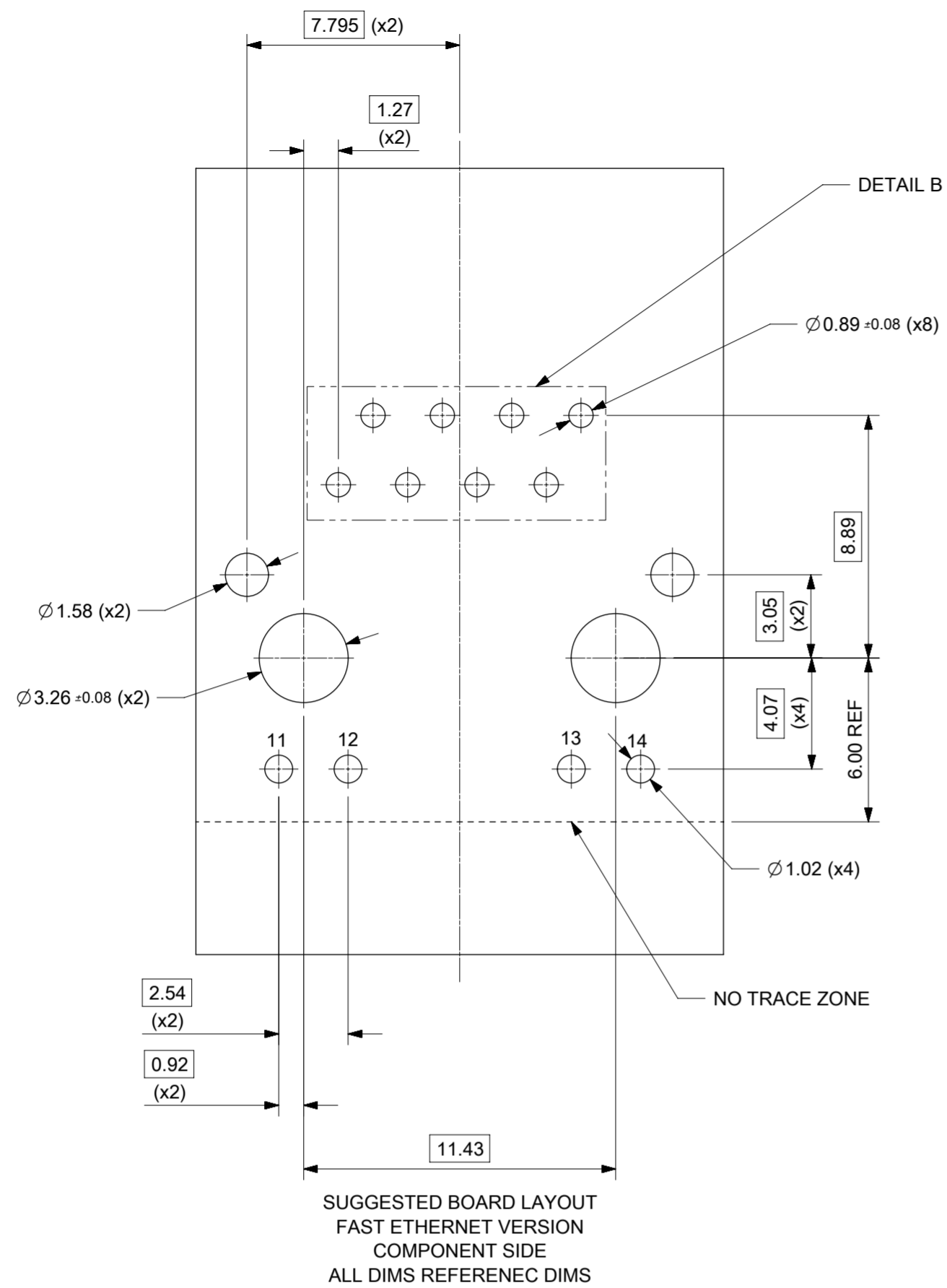


SUGGESTED PANEL CUT-OUT



- NOTES:
- SHIELD MATERIAL: 0.17mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN. 1.27µm TIN
 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - TERMINAL MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP
PHY SOLDER TAILS: COPPER ALLOY
 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A
 - PRODUCT SPECIFICATION: 934620001 PSP
 - PACKAGING SPECIFICATION: 934620001 PSK TRAY
 - STAND OFF TO SYSTEM BOARD 0.30mm MINIMUM
 - RECOMMENDED PCB THICKNESS: 1.57mm
 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS
 - PIN NOT ASSEMBLED
 - AREA FOR PICK AND PLACE: 5.0mm X 8.0mm
 - INSCRIPTION MARKED BY LASER:
1st : MOLEX
2nd : P/N (SEE BOM)
 - DATE CODE (DAY/WEEK/YEAR)
 - 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		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex			
				MM	3:1				STD MXMAG 6 CORE FE W/ LEDS & W/ SHIELD TABS
REVISED	2017/03/15	ANGULAR TOL ± 2.0 °		DRWN BY	DATE	PRODUCT CUSTOMER DRAWING			
	2017/04/14	4 PLACES	±	KREILLY	2015/09/30	SERIES	MATERIAL NUMBER	CUSTOMER	
		3 PLACES	±	CHK'D BY	DATE	93634	SEE CHART	GENERAL MARKET	
		2 PLACES	± 0.1	DBYRNES	2016/09/19	PRODUCT CUSTOMER DRAWING			
		1 PLACE	± 0.2	APPR BY	DATE	PRODUCT CUSTOMER DRAWING			
	0 PLACES	±	STGRIFFIN	2016/10/07	PRODUCT CUSTOMER DRAWING				
EC NO: 114553	DRWN: DSHEA	CHKD: DBYRNES	APPR: STGRIFFIN	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
C				A2		936340001	PSD	000	1 OF 3



PART NUMBER	LEFT LED	RIGHT LED
93634-3206	GREEN	YELLOW
93634-3205	GREEN	GREEN/YELLOW

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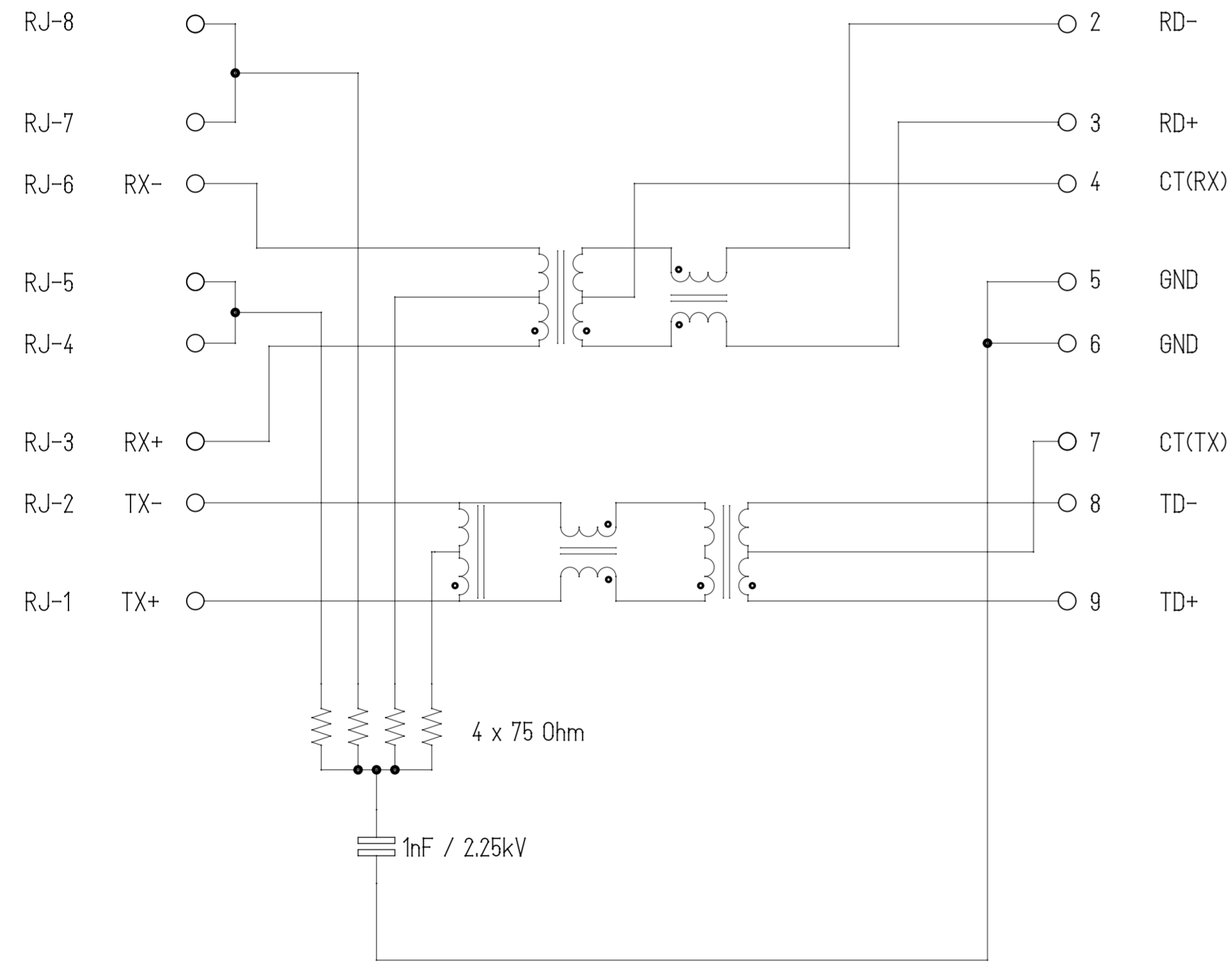
EC NO: 114553 DRWN: DSHEA CHKD: DBYRNES APPR: STGRIFFIN	REVISED 2017/03/15 2017/04/14 2017/04/25	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION UNITS: MM SCALE: 5:1 ANGULAR TOL ± 2.0 °	DRWN BY: KREILLY DATE: 2015/09/30 CHK'D BY: DBYRNES DATE: 2016/09/19 APPR BY: STGRIFFIN DATE: 2016/10/07				
	STD MXMAG 6 CORE FE W/ LEDS & W/ SHIELD TABS						
	PRODUCT CUSTOMER DRAWING				SERIES: 93634	MATERIAL NUMBER: SEE CHART	CUSTOMER: GENERAL MARKET
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE: A2 THIRD ANGLE PROJECTION	DOCUMENT NUMBER: 936340001 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 2 OF 3			
	C						

RJ-45 CONTACTS

WIRE-SIDE / RJ-45

ETHERNET MAGNETICS

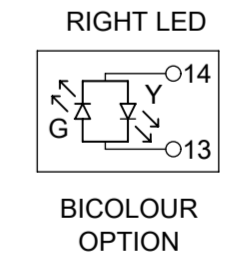
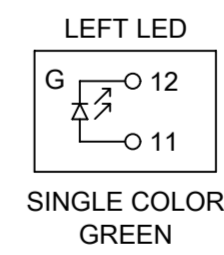
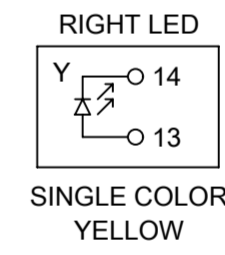
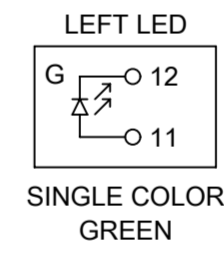
PHY-SIDE / PCB SIDE



Shield

ETHERNET TERMINALS

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



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EC NO: 114553 DRWN: DSHEA CHKD: DBYRNES APPR: STGRIFFIN	2017/03/15 2017/04/14 2017/04/25	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 2.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES ±	DIMENSION UNITS: MM SCALE: 1:1 DRWN BY: KREILLY DATE: 2015/09/30 CHK'D BY: DBYRNES DATE: 2016/09/19 APPR BY: STGRIFFIN DATE: 2016/10/07	molex STD MXMAG 6 CORE FE W/ LEDS & W/ SHIELD TABS			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE: A2 THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING		
				SERIES: 93634 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET			
				DOCUMENT NUMBER: 936340001 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 3 OF 3			