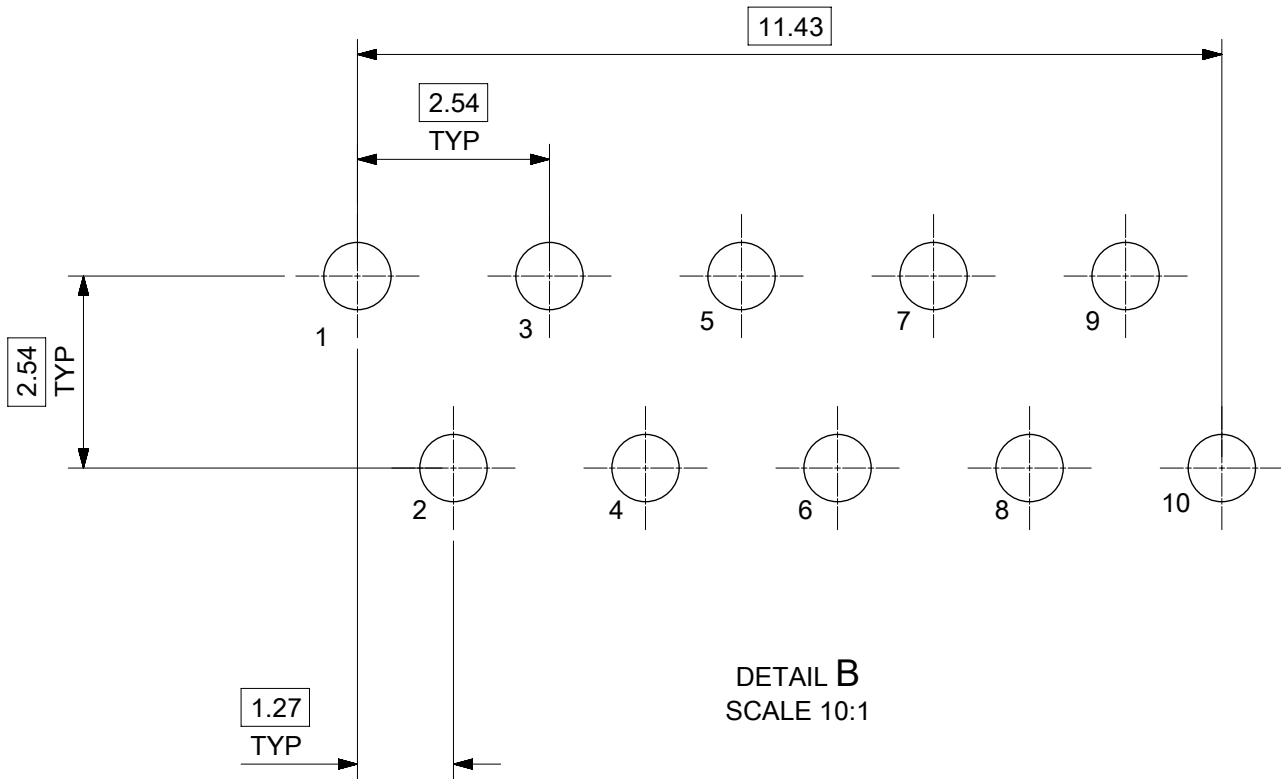














SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS

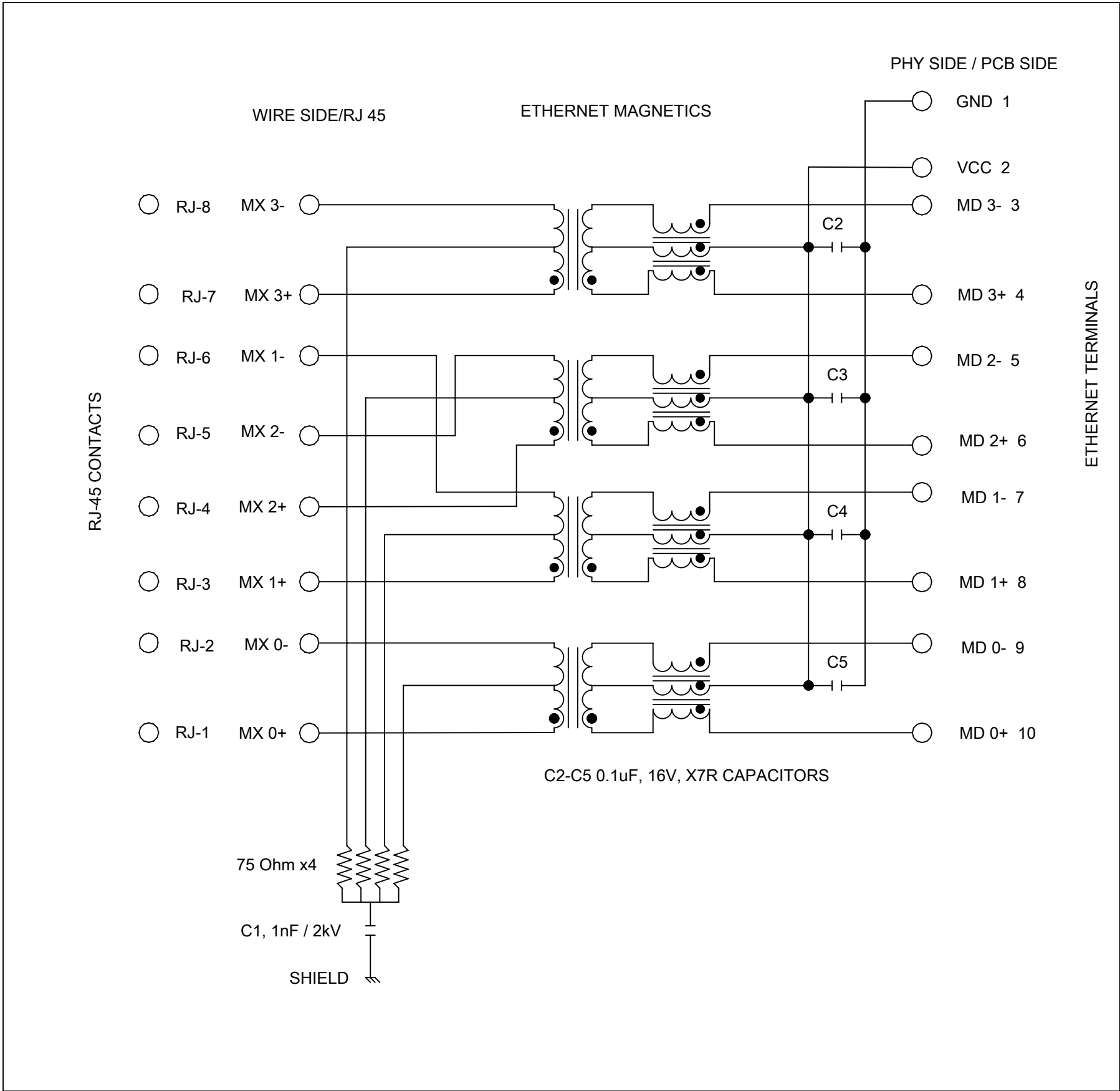


DETAIL B
SCALE 10:1

PIN CONFIGURATION
FOR GIGABIT VERSION

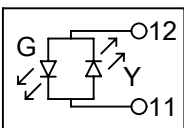
PART NUMBER	LEFT LED	RIGHT LED
937698628	GREEN/YELLOW	GREEN/YELLOW

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
 = 0	REVISED EC NO: 112965 DRWN: DALLENO1 CHKD: DBYRNES REV APPR: STGRIFFIN	2017/02/01 2017/02/22 2017/02/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE									
 = 0			ANGULAR TOL ± 2.0 °		MM		5:1									
 = 0			4 PLACES ±	KREILLY		2016/03/14										
 = 0			3 PLACES ±	CHK'D BY		DATE		INV PRO MXMAG 8 CORE GIG W/LED W/EMI PIP								
 = 0			2 PLACES ± 0.1	DBYRNES		2016/05/24										
 = 0			1 PLACE ± 0.2	APPR BY		DATE										
 = 0			0 PLACES ±	STGRIFFIN		2016/06/08		PRODUCT CUSTOMER DRAWING								
 = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION				SERIES	MATERIAL NUMBER		CUSTOMER		
 = 0			A2				93769				SEE TABLE		GENERAL MARKET			
 = 0			B	REV					DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
							937690001		PSD		000		2 OF 3			



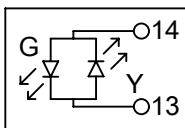
Description	Value	
OCL @100KHz, 0.1V 8mA DC bias (-40°C to +85°C)	350µH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9 MHz	0.4+0.1*log(F)	0.5 @ 10MHz
10-49.9 MHz	0.5+0.3*log(F/10)	0.7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

LEFT LED



BICOLOUR
OPTION

RIGHT LED



BICOLOUR
OPTION

QUALITY SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
= 0	REVISED	EC NO: 112965 DRWN: DALLEY CHKD: DBYRNES REV APPR: STGRIFFIN	2017/02/01 2017/02/22 2017/02/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex									
= 0				MM		1:1													
= 0				INV PRO MXMAG 8 CORE GIG W/LED W/EMI PIP															
= 0				ANGULAR TOL ± 2.0 °		KREILLY 2016/03/14				PRODUCT CUSTOMER DRAWING									
= 0				4 PLACES ±		CHK'D BY DATE													
= 0				3 PLACES ±		DBYRNES 2016/05/24													
= 0				2 PLACES ± 0.1		APPR BY DATE				SERIES MATERIAL NUMBER CUSTOMER									
= 0				1 PLACE ± 0.2		STGRIFFIN 2016/06/08													
= 0				0 PLACES ±		DRAWING SIZE THIRD ANGLE PROJECTION													
= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A2				DOCUMENT NUMBER DOCT TYPE DOCT PART SHEET NUMBER					
= 0	B						93769		SEE TABLE		GENERAL MARKET								
= 0	REV						937690001		PSD		000 3 OF 3								