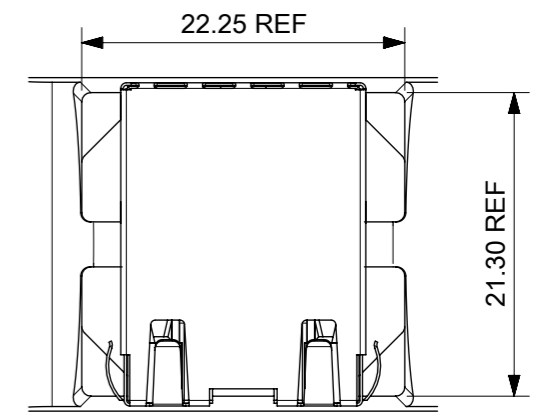
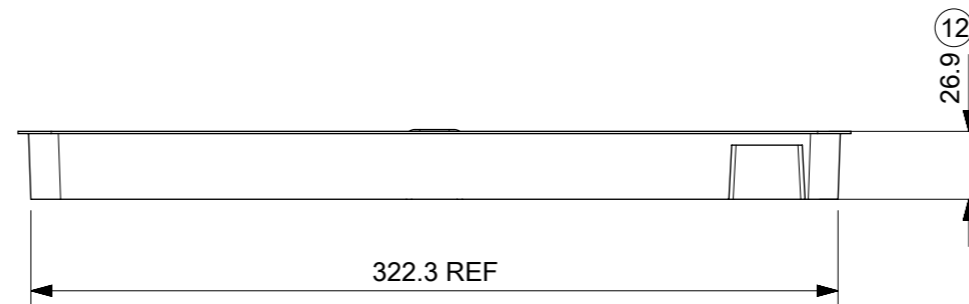
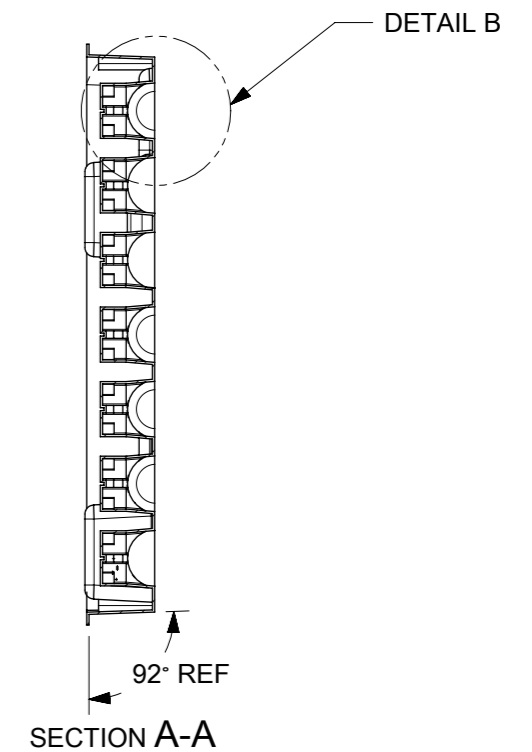
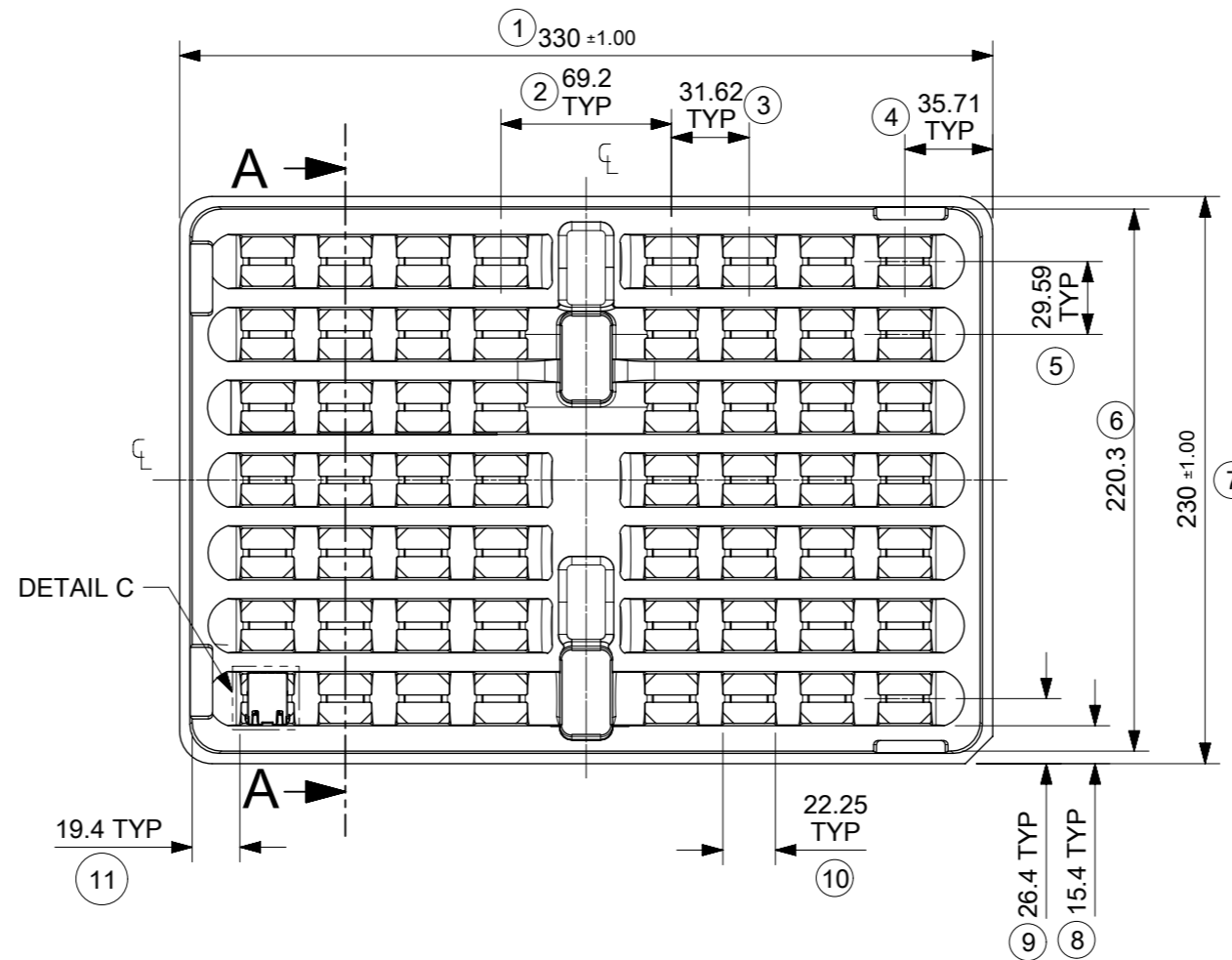


DETAIL B



DETAIL C
SCALE 2:1

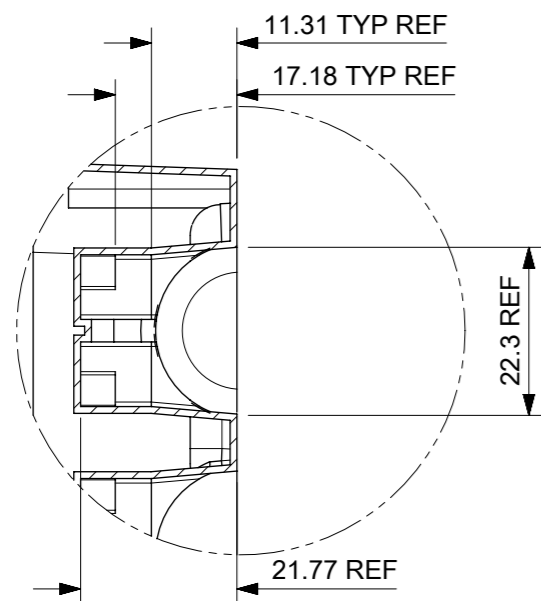


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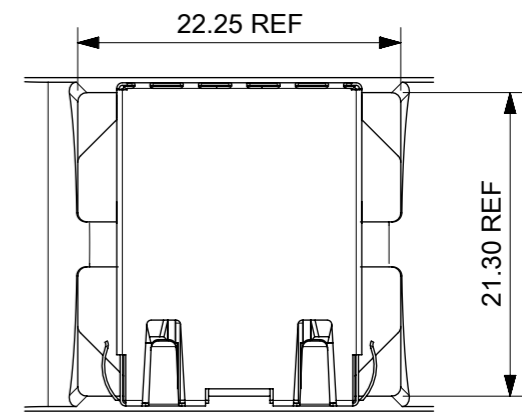
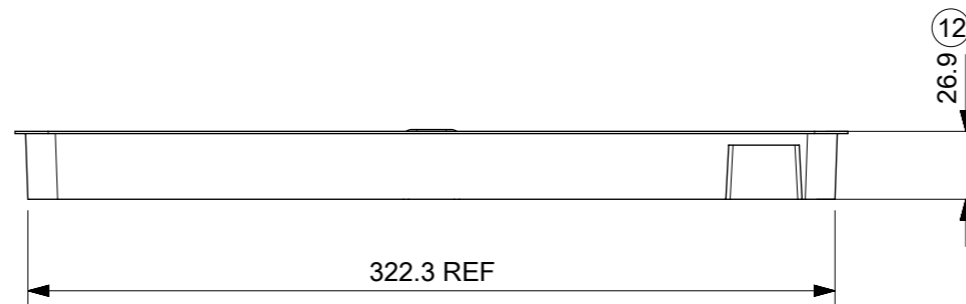
1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm ± 0.05 mm
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
5. TWIST 2 mm MAXIMUM PER 330 mm
6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL ABOUT THE CENTRELINE
8. GENERAL PROFILE TOLERANCE $\overline{\cup}$ 0.40 ON NON DIMENSIONED FEATURES

LAST INSPECTION NUMBER USED: 12

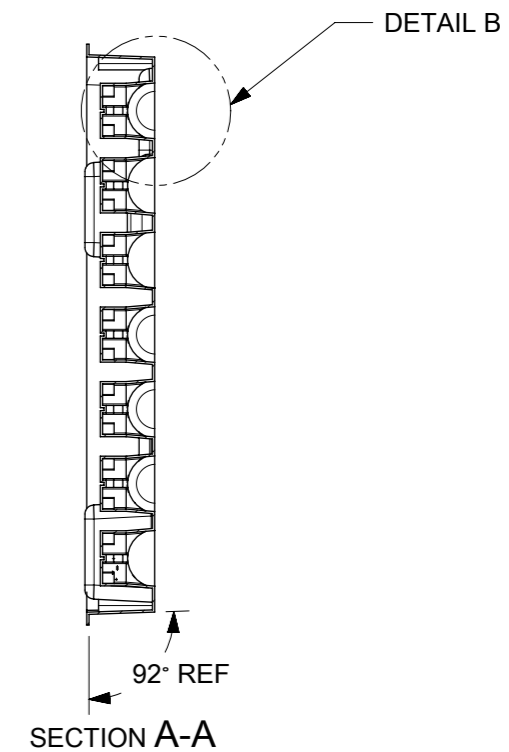
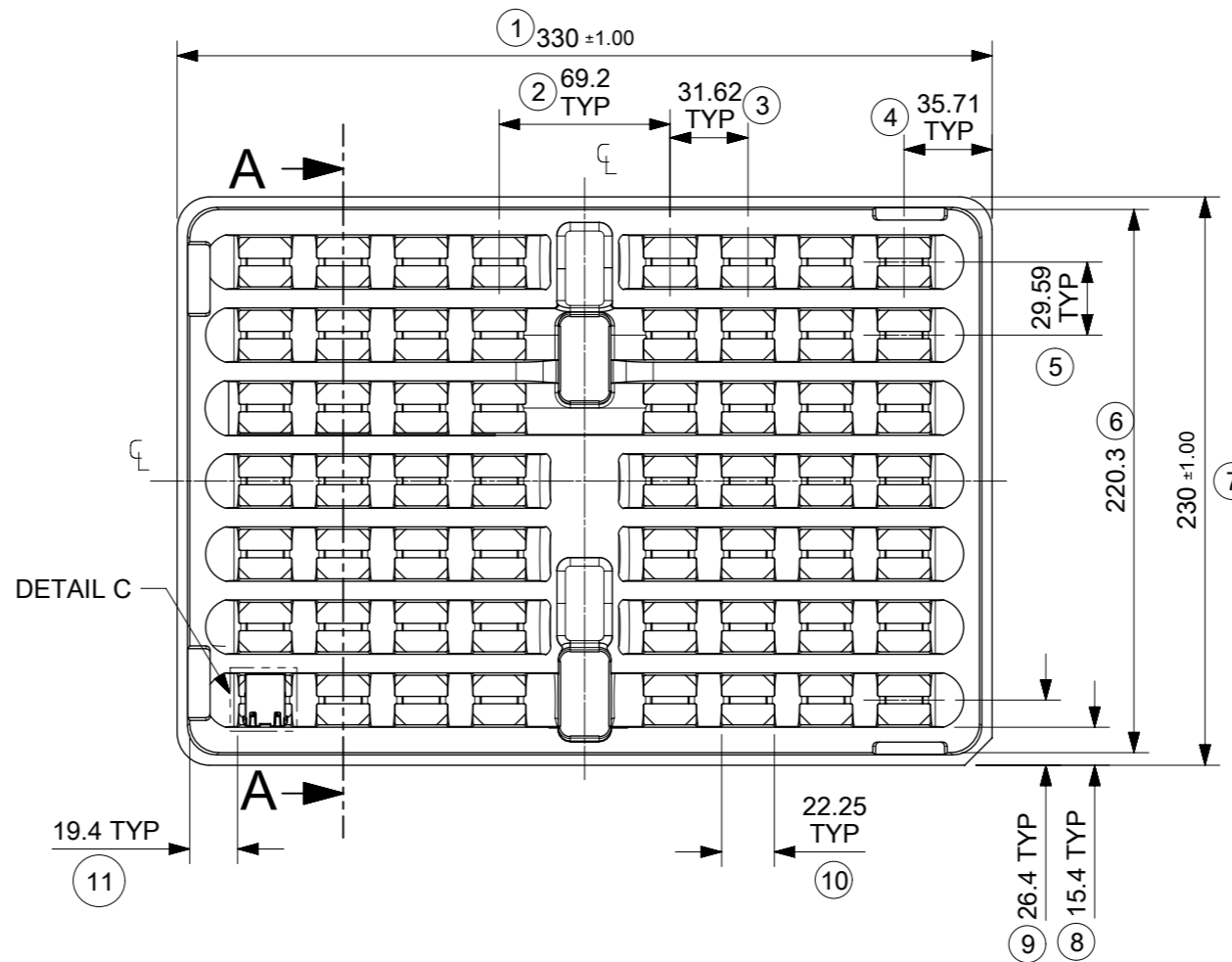
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED REFERENCE TO QUANTITY OF TRAYS PER STACK				molex	
mm		1:3							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602124				MXMAG STANDARD AND INVERTED TRAY	
ANGULAR TOL ± 1.0°				DRWN: DSHEA		2018/09/07			
4 PLACES ±				CHK'D: DBYRNES		2019/01/25			
3 PLACES ±				APPR: DBYRNES		2019/01/25			
2 PLACES ± 0.2				INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
1 PLACE ± 0.5				DRWN: KREILLY		2016/05/06		DOCUMENT NUMBER	
0 PLACES ±				APPR: STGRIFFIN		2016/12/07		934620003	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				A3-SIZE		93462		990250150	
				CUSTOMER		GENERAL MARKET		SHEET NUMBER	
								1 OF 1	



DETAIL B



DETAIL C
SCALE 2:1



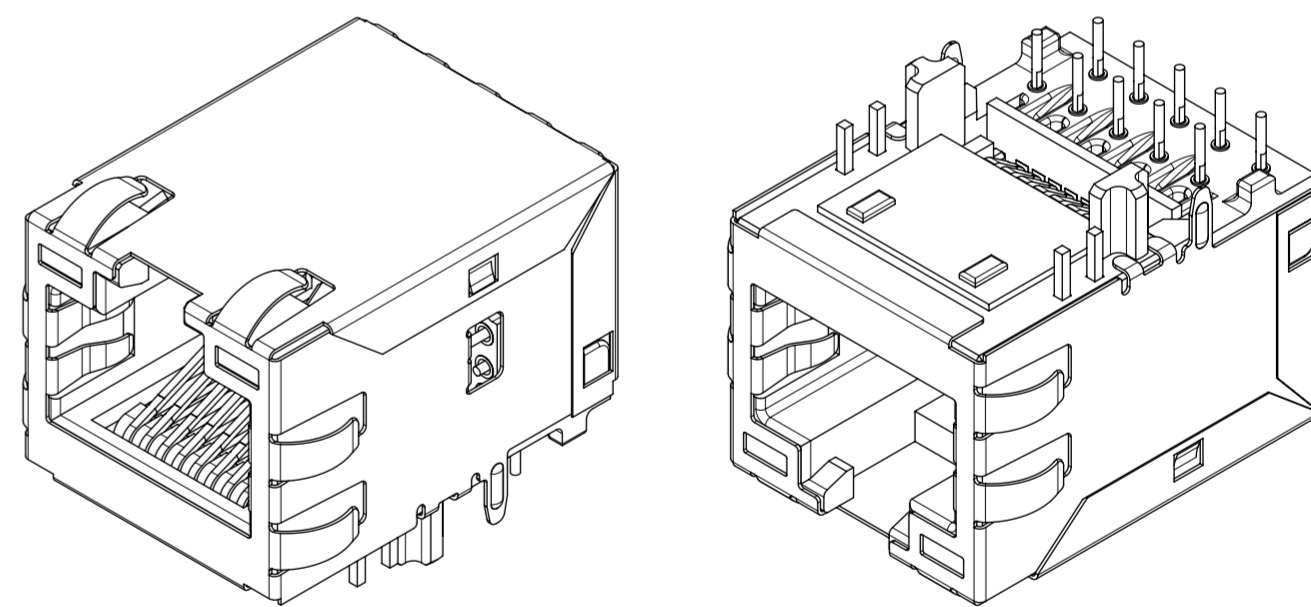
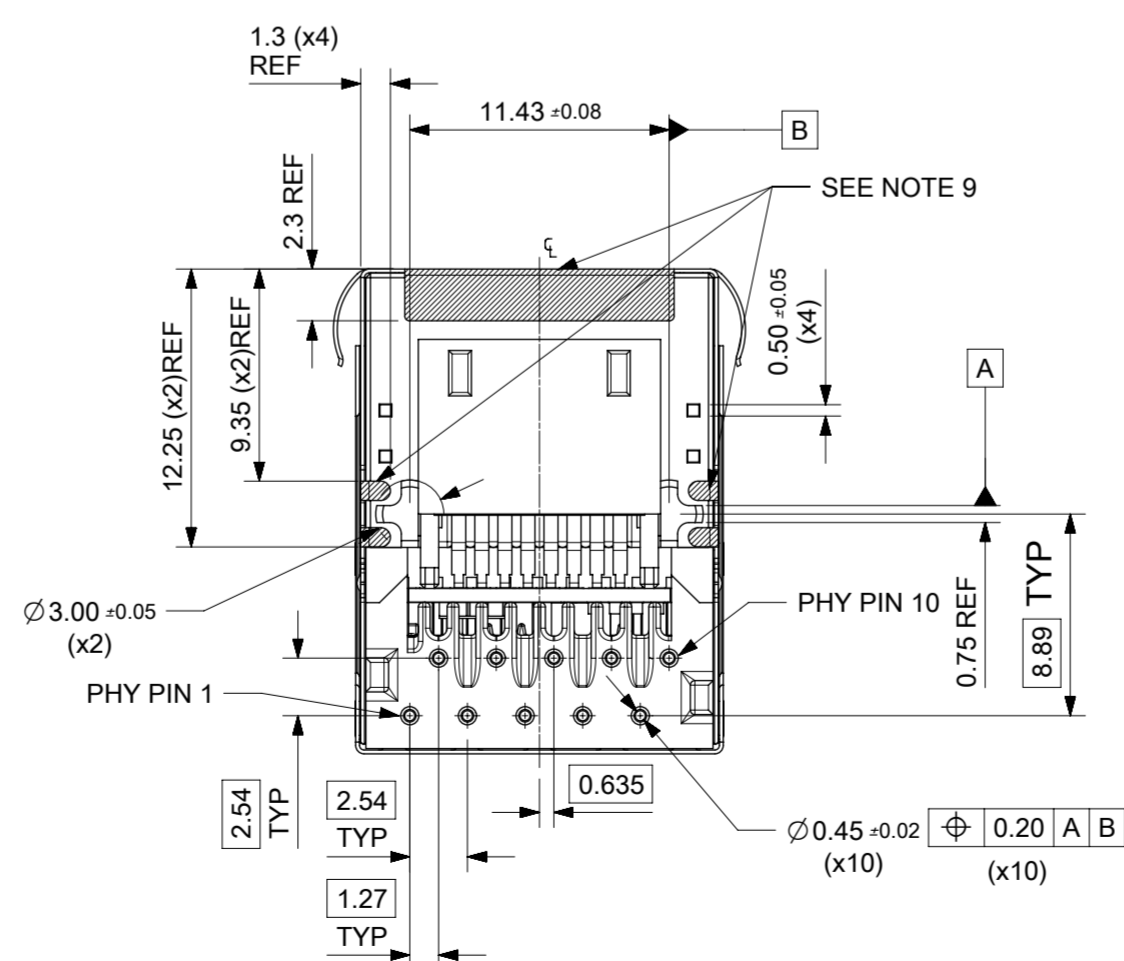
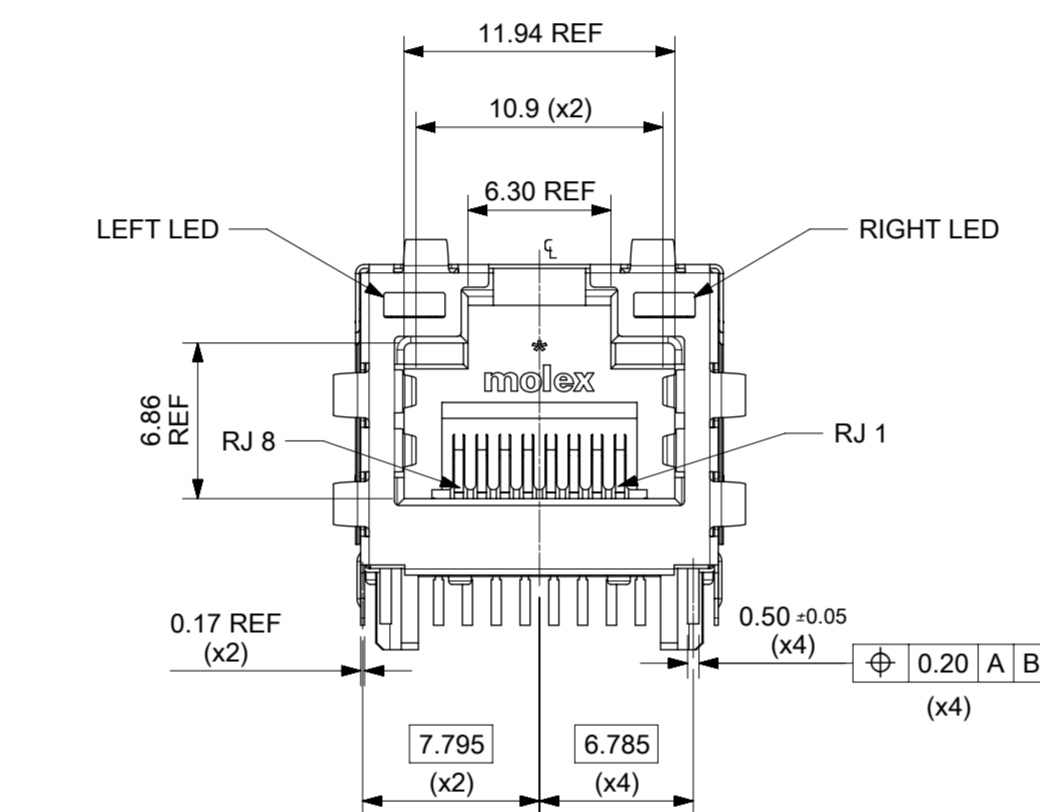
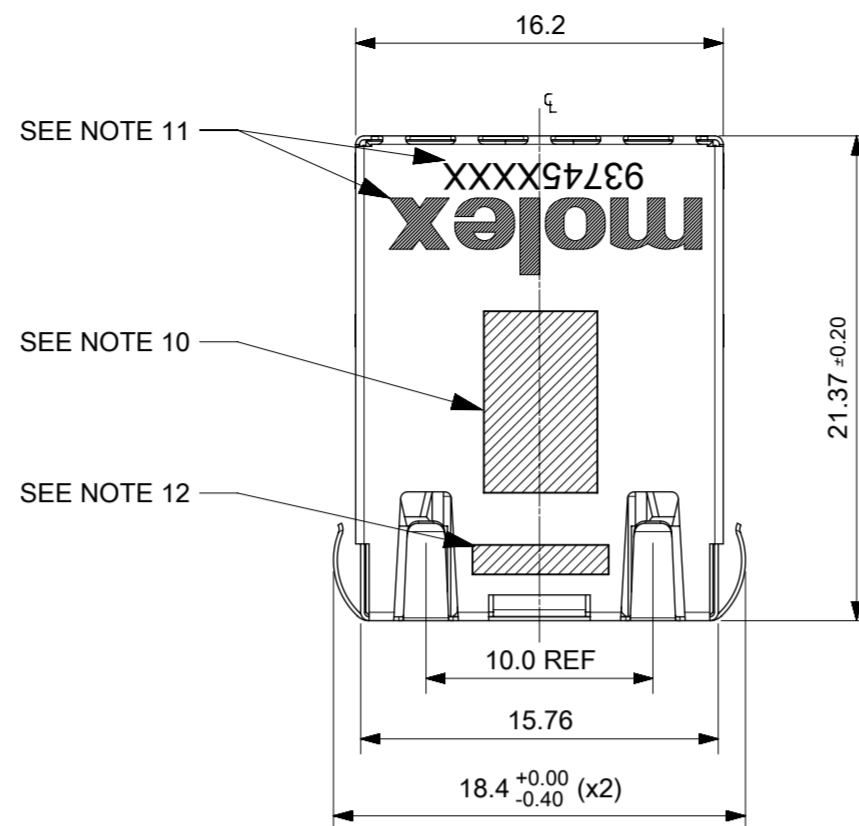
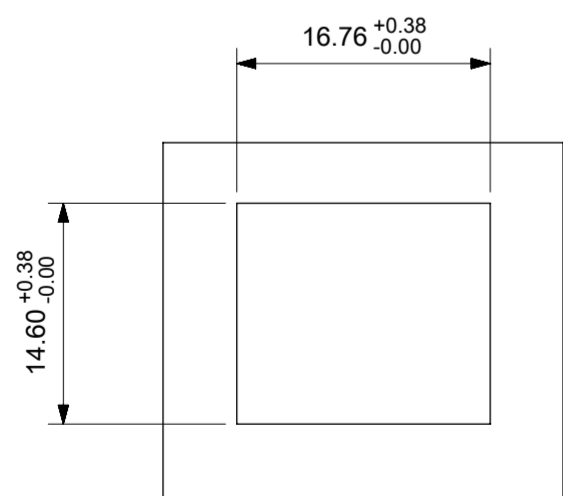
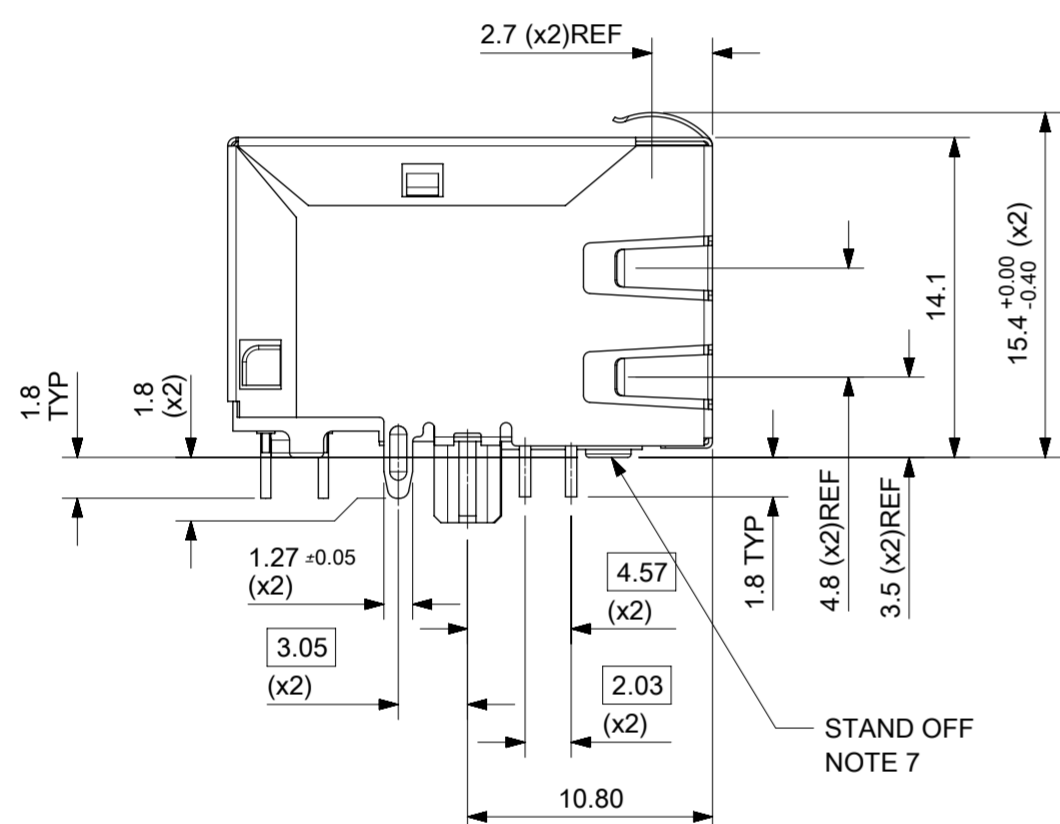
NOTES:

1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm ± 0.05 mm
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
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RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL ABOUT THE CENTRELINE
8. GENERAL PROFILE TOLERANCE $\overline{\cup}$ 0.40 ON NON DIMENSIONED FEATURES

LAST INSPECTION NUMBER USED: 12

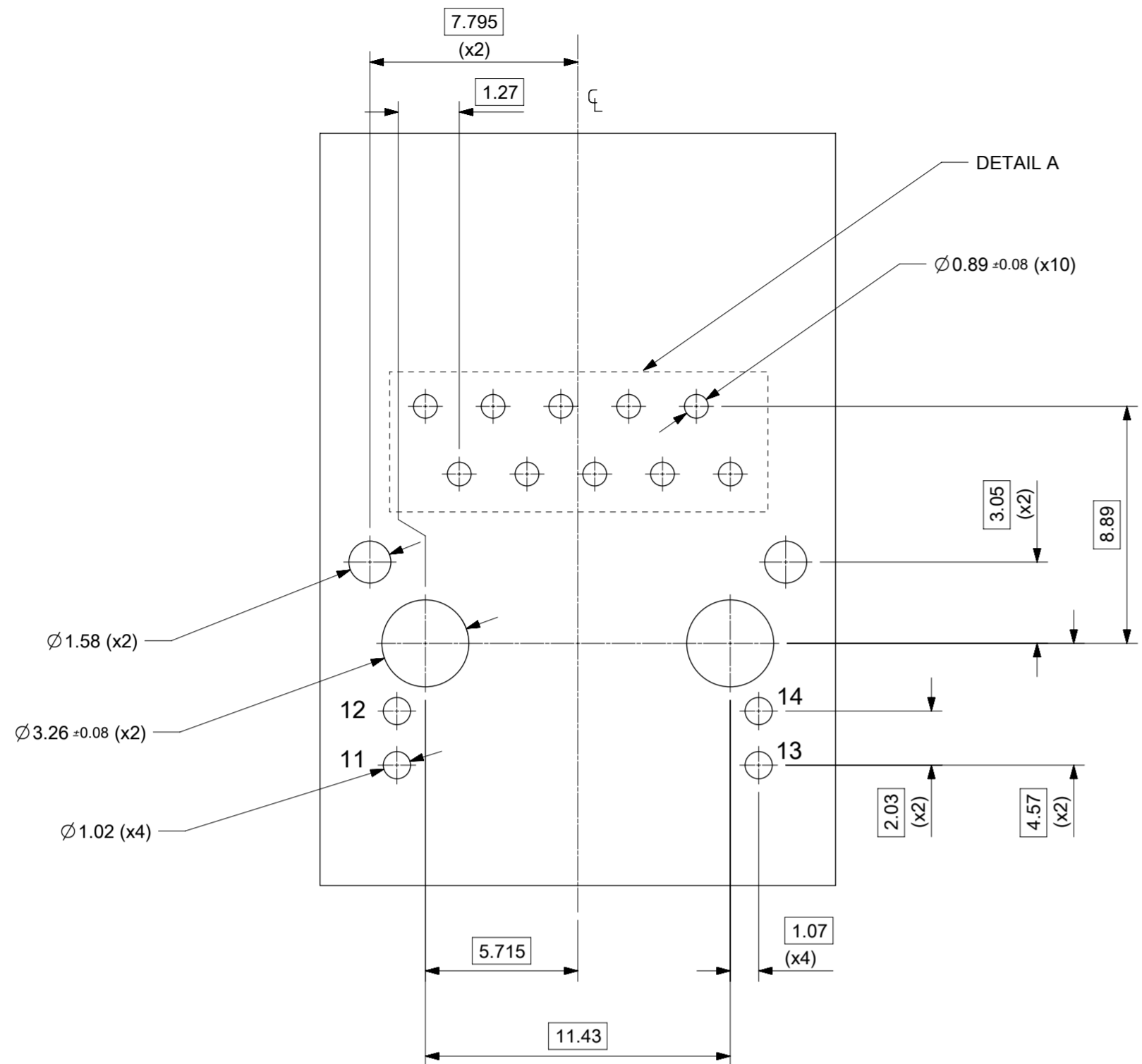
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED REFERENCE TO QUANTITY OF TRAYS PER STACK				molex	
mm		1:3							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602124				MXMAG STANDARD AND INVERTED TRAY	
ANGULAR TOL ± 1.0°				DRWN: DSHEA		2018/09/07			
4 PLACES ±				CHK'D: DBYRNES		2019/01/25			
3 PLACES ±				APPR: DBYRNES		2019/01/25			
2 PLACES ± 0.2				INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
1 PLACE ± 0.5				DRWN: KREILLY		2016/05/06		DOCUMENT NUMBER	
0 PLACES ±				APPR: STGRIFFIN		2016/12/07		934620003	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				A3-SIZE		93462		990250150	
				CUSTOMER		GENERAL MARKET		SHEET NUMBER	
								1 OF 1	

INVERTED PROFILE MAGNETIC JACK
GIGABIT ETHERNET W/LED
AND W/SHIELD TABS
PIN IN PASTE CAPABLE

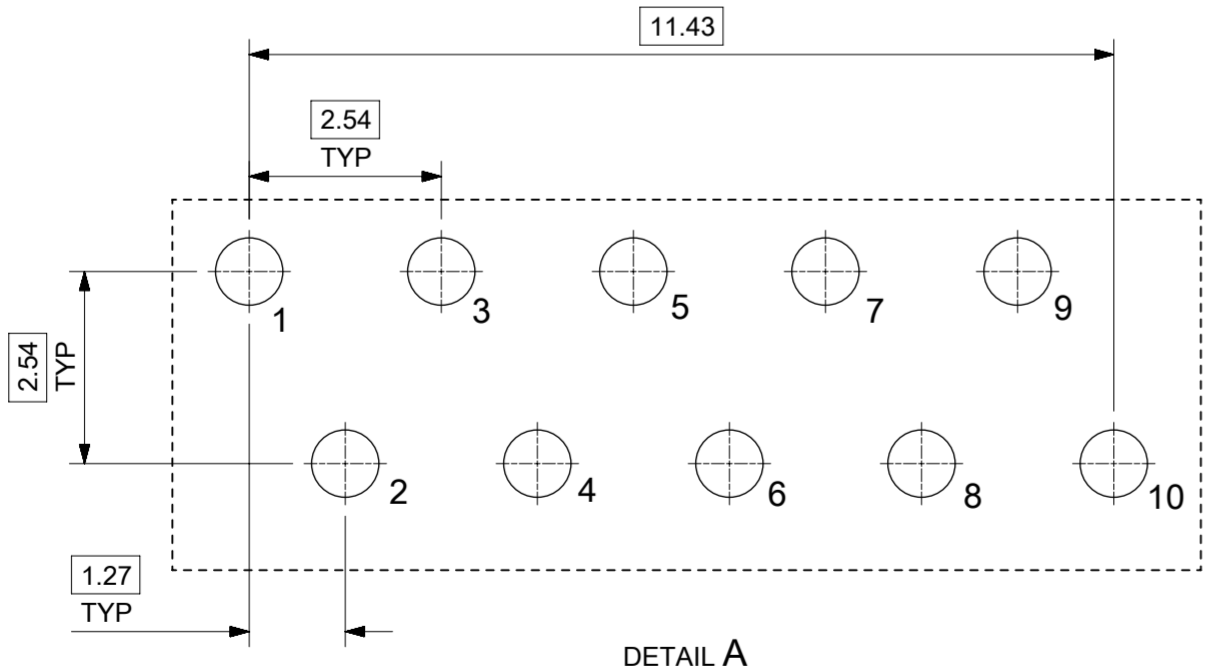


- NOTES:
- SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 μm TIN
 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001 PSP
PHY SOLDER TAILS: COPPER ALLOY
 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A
 - PRODUCT SPECIFICATION: 934620001 PSP
 - PACKAGING SPECIFICATION: 934620001 PSK TRAY
TRAY DRAWING NUMBER: 934620003 PSDK
 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN
 - RECOMMENDED PCB THICKNESS: 1.57 mm
 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS
 - AREA FOR PICK AND PLACE: 5.0 mm X 8.0 mm
 - INSCRIPTION MARKED BY LASER:
1ST: MOLEX
2ND: P/N (SEE BOM)
 - INSCRIPTION MARKED BY LASER:
DATE CODE(DAY/WEEK/YEAR)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED TITLE									
mm		3:1		<p>INV PRO MX-MAG P.I.P. 8 CORE GIG REFLOW CAPABLE</p> <p>PRODUCT CUSTOMER DRAWING</p>									
GENERAL TOLERANCES (UNLESS SPECIFIED)										EC NO: 604273		2018/07/26	
ANGULAR TOL		± 2.0°								DRWN: DSHEA		2018/08/15	
4 PLACES		±								CHK'D: SMCGREEVY		2019/09/25	
3 PLACES		±								APPR: DBYRNES			
2 PLACES		± 0.1								INITIAL REVISION:			
1 PLACE		± 0.2		DRWN: KREILLY		2015/08/25							
0 PLACES		±		APPR: STGRIFFIN		2015/11/18							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES					
				A2-SIZE		93745		MATERIAL NUMBER					
				SEE TABLE ON SHEET 2		GENERAL MARKET		CUSTOMER					
								DOCUMENT NUMBER					
								937450003					
								DOC TYPE					
								PSD					
								DOC PART					
								000					
								REVISION					
								D					
								SHEET NUMBER					
								1 OF 3					


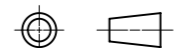


SUGGESTED BOARD LAYOUT
GIGABIT VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS

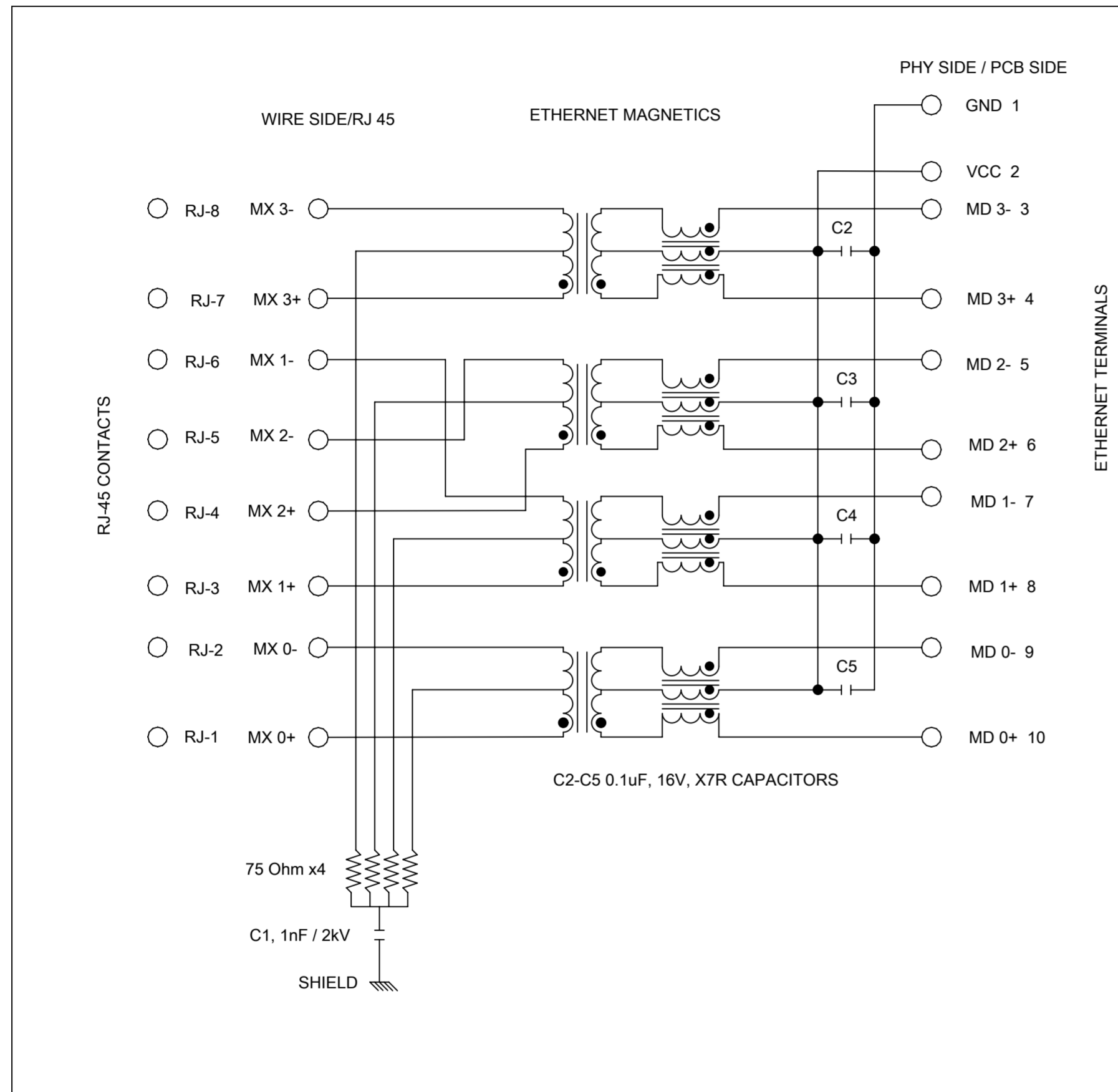


PIN CONFIGURATION
FOR GIGABIT VERSION

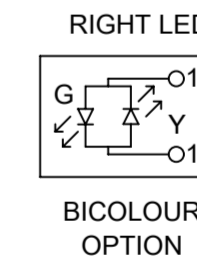
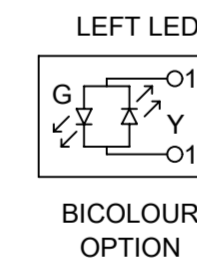
PART NUMBER	LEFT LED	RIGHT LED
937453608	GREEN/YELLOW	GREEN/YELLOW

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DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATED TITLE							
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 604273			INV PRO MX-MAG P.I.P. 8 CORE GIG REFLOW CAPABLE				
ANGULAR TOL ± 2.0°		DRWN: DSHEA 2018/07/26							
4 PLACES ±		CHK'D: SMCGREEVY 2018/08/15			PRODUCT CUSTOMER DRAWING				
3 PLACES ±		APPR: DBYRNES 2019/09/25							
2 PLACES ± 0.1		INITIAL REVISION:			DOCUMENT NUMBER 937450003				
1 PLACE ± 0.2		DRWN: KREILLY 2015/08/25							
0 PLACES ±		APPR: STGRIFFIN 2015/11/18			DOC TYPE DOC PART REVISION PSD 000 D				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES					
			A2-SIZE	93745	SEE TABLE	GENERAL MARKET	2 OF 3		

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/25	12:10:10
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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/60sec	



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DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATED TITLE							
mm	1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 604273			INV PRO MX-MAG P.I.P. 8 CORE GIG REFLOW CAPABLE				
ANGULAR TOL ± 2.0°		DRWN: DSHEA 2018/07/26							
4 PLACES ±		CHK'D: SMCGREEVY 2018/08/15			PRODUCT CUSTOMER DRAWING				
3 PLACES ±		APPR: DBYRNES 2019/09/25							
2 PLACES ± 0.1		INITIAL REVISION:			DOCUMENT NUMBER: 937450003 DOC TYPE: PSD DOC PART: 000 REVISION: D				
1 PLACE ± 0.2		DRWN: KREILLY 2015/08/25							
0 PLACES ±		APPR: STGRIFFIN 2015/11/18							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER			
		A2-SIZE	93745	SEE TABLE ON SHEET 2	GENERAL MARKET	3 OF 3			