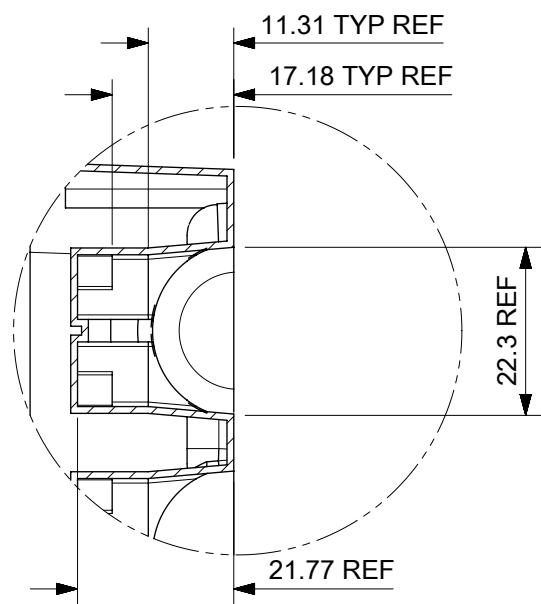
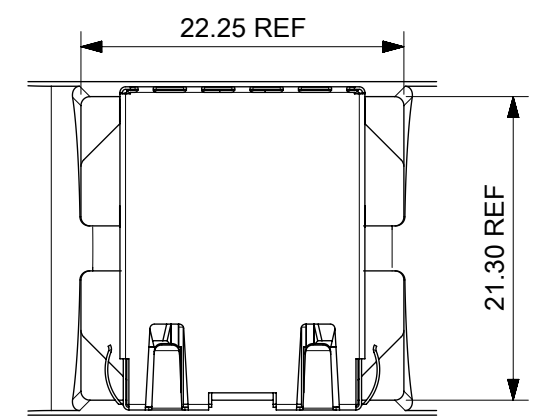
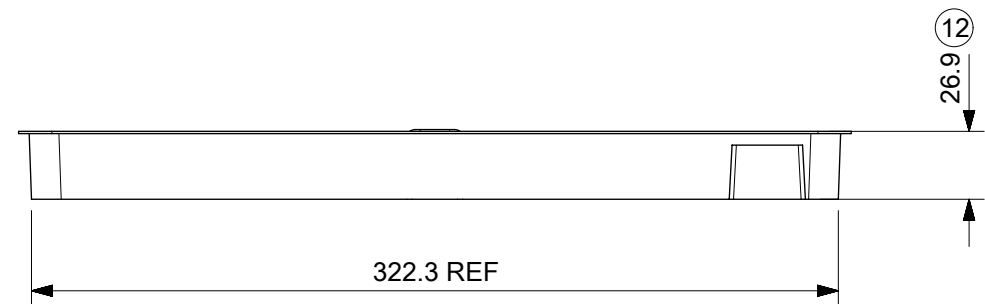
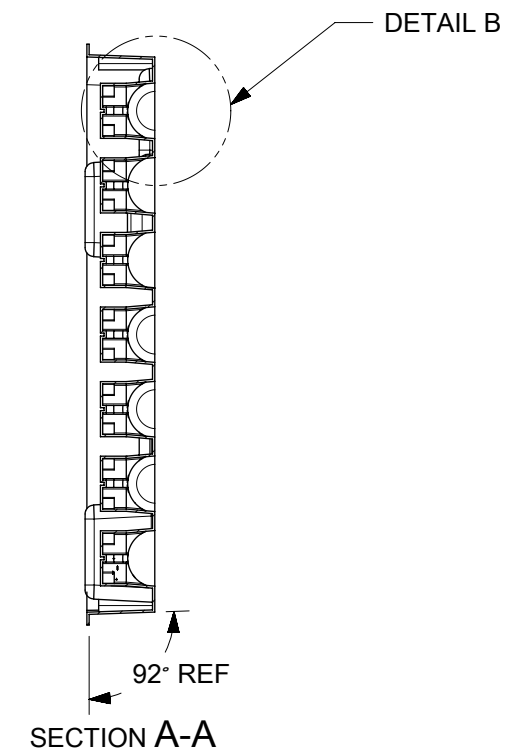
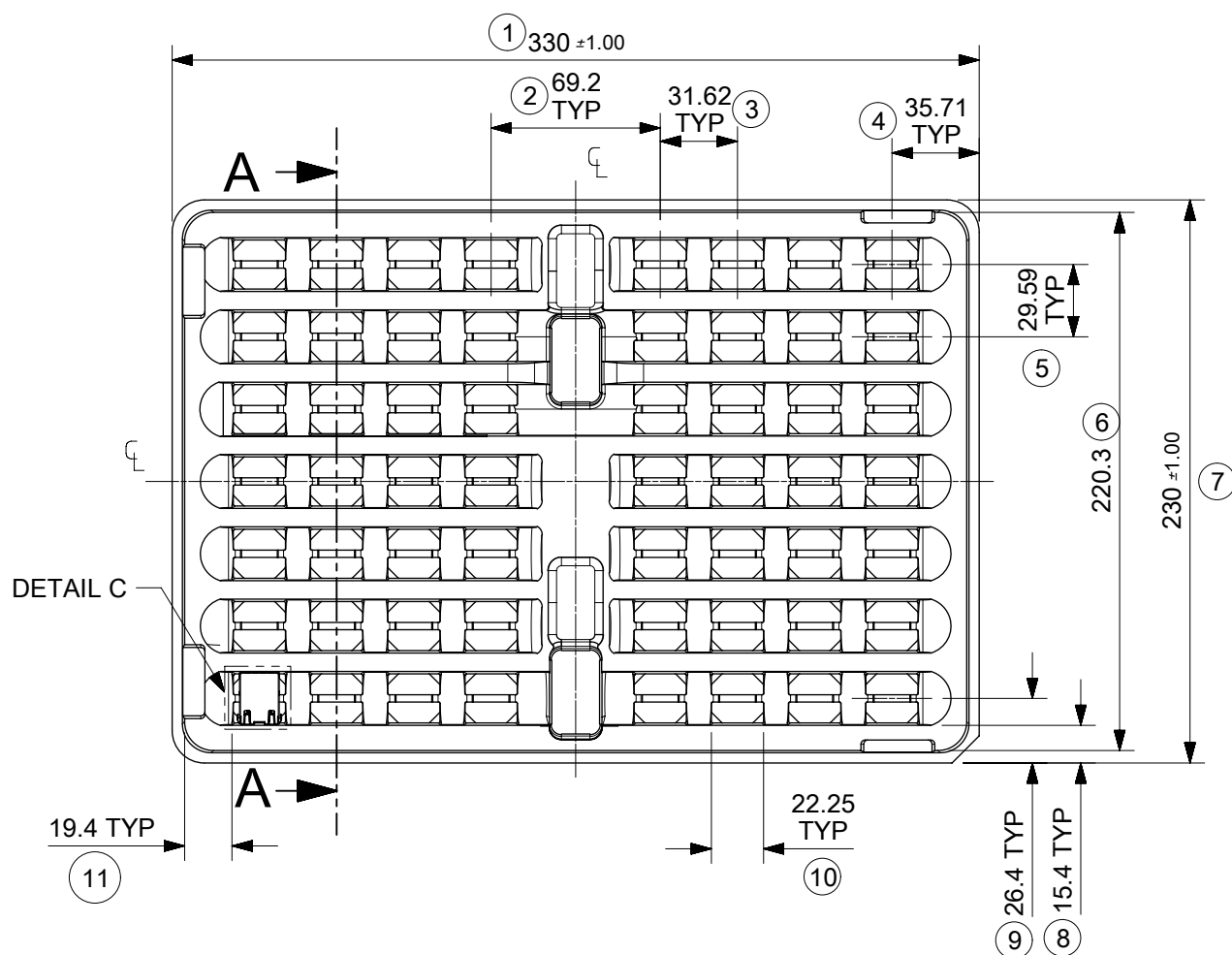




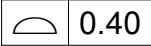
DETAIL B



DETAIL C
SCALE 2:1



NOTES:

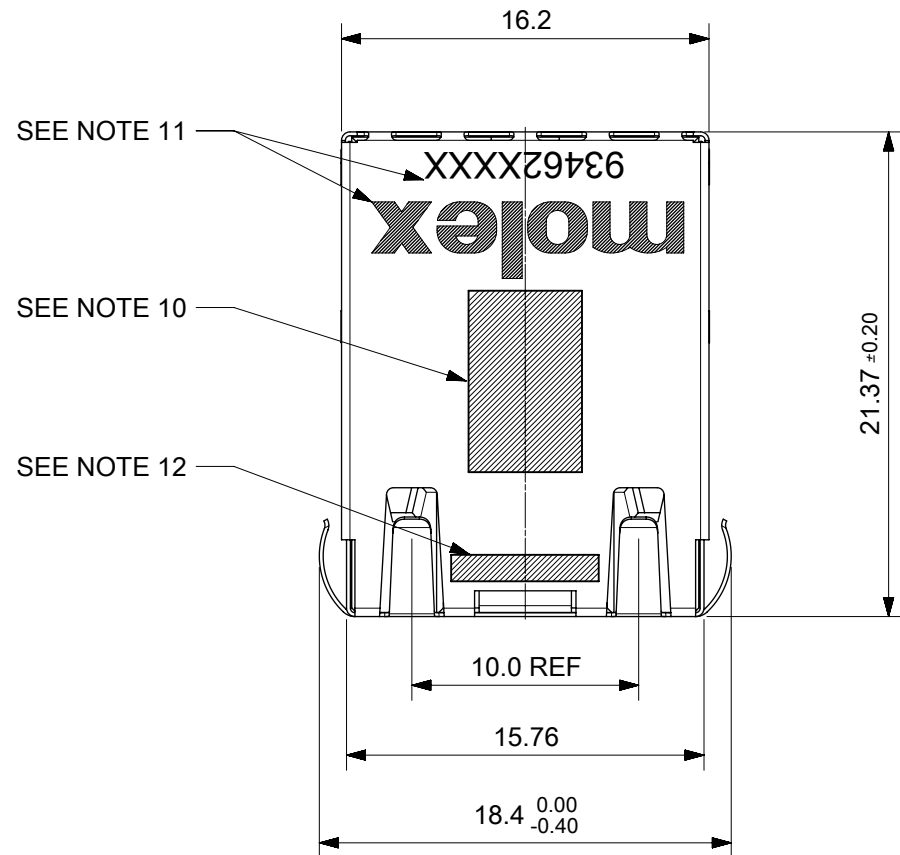
1. MATERIAL: PETA ANTISTATIC
2. THICKNESS: 0.9 mm $\pm$ 0.05 mm
3. COLOUR: CLEAR
4. BOW 2 mm MAXIMUM PER 330 mm
5. TWIST 2 mm MAXIMUM PER 330 mm
6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL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

LAST INSPECTION NUMBER USED: 12

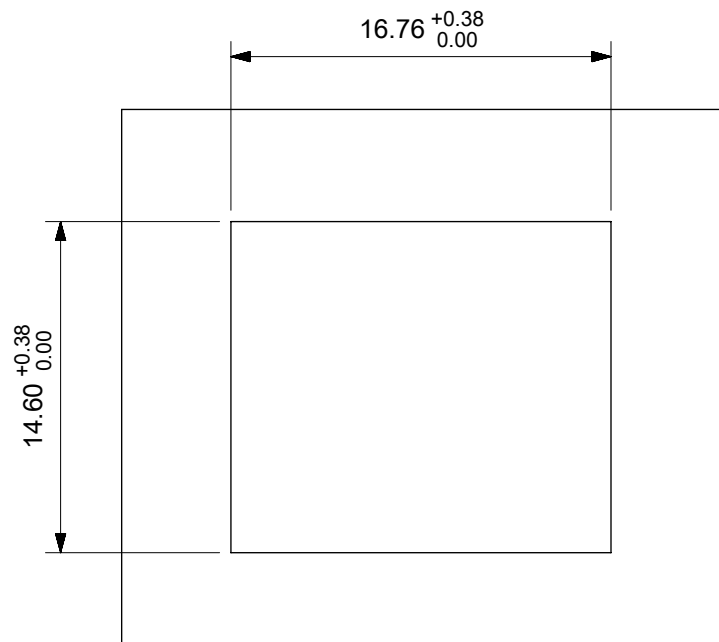
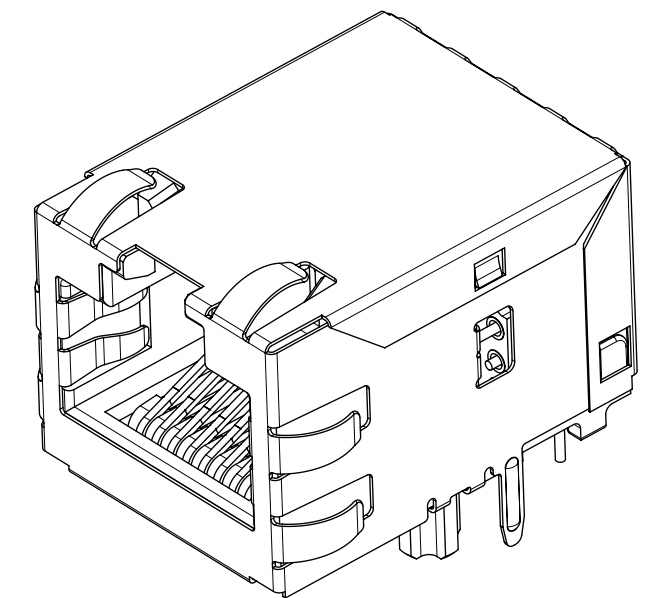
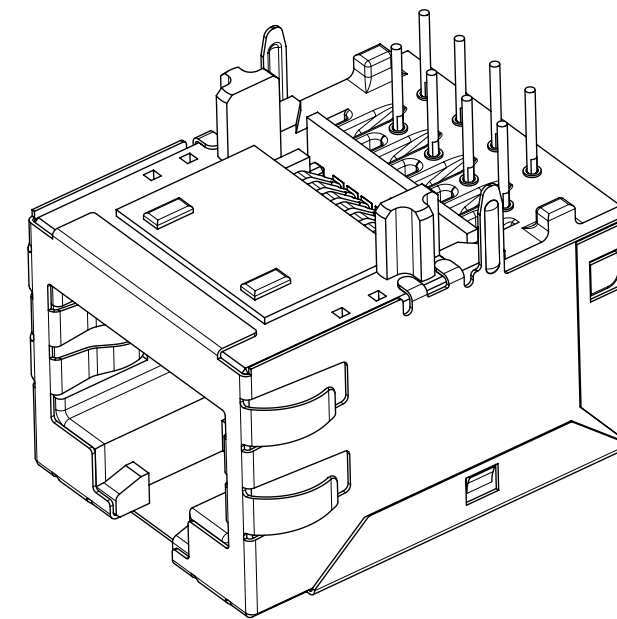
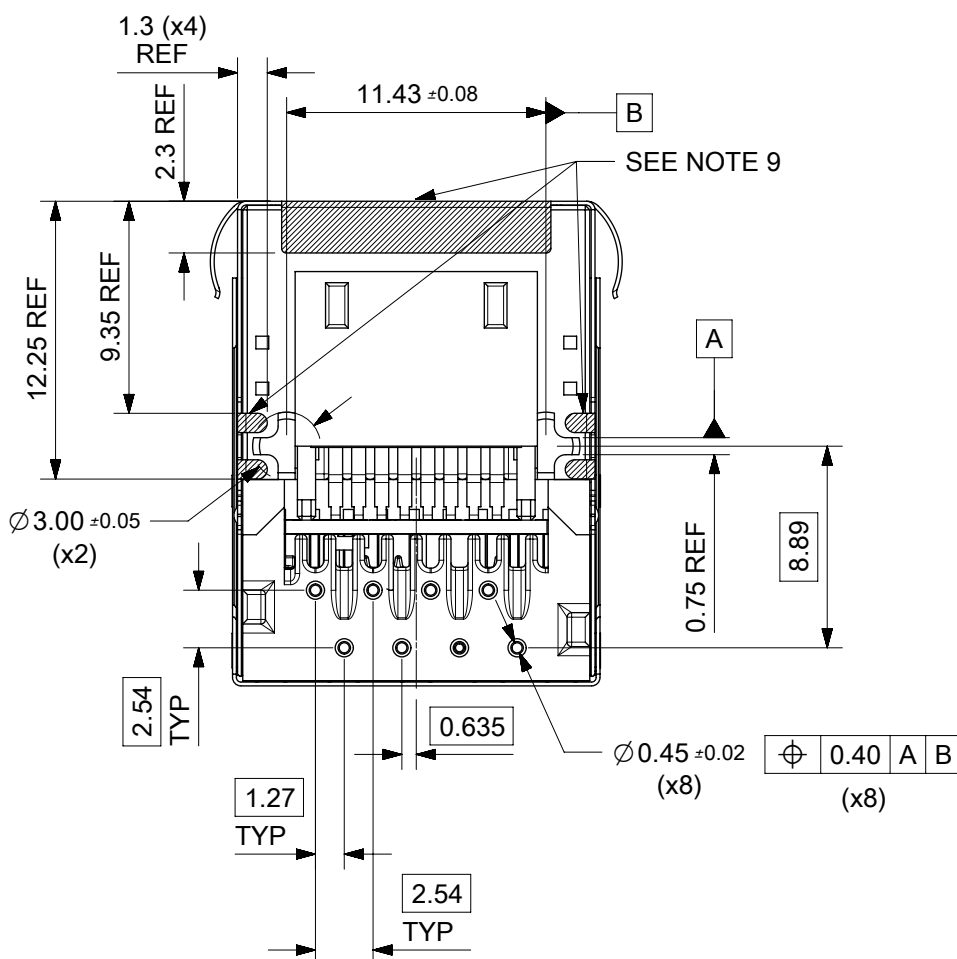
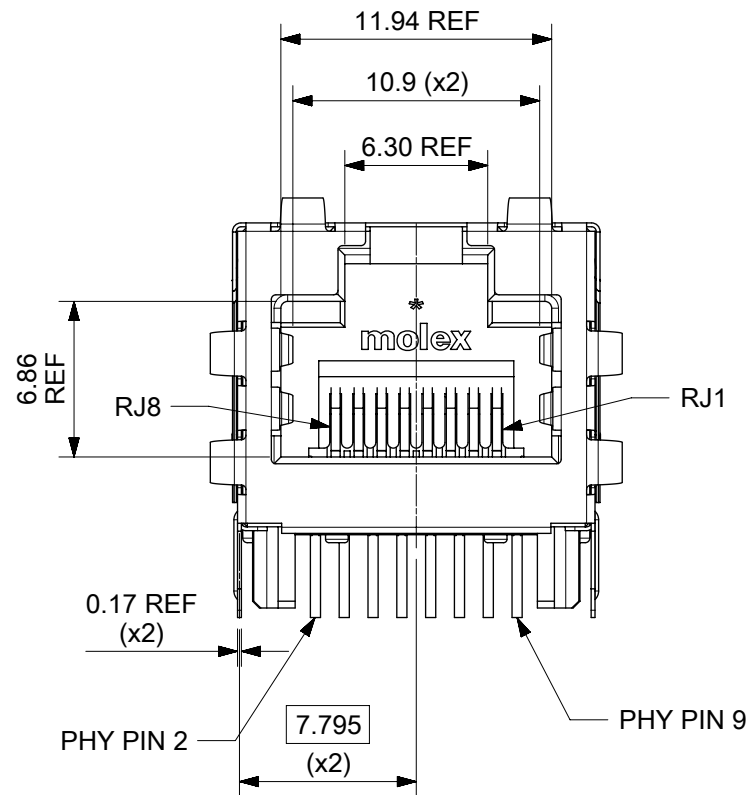
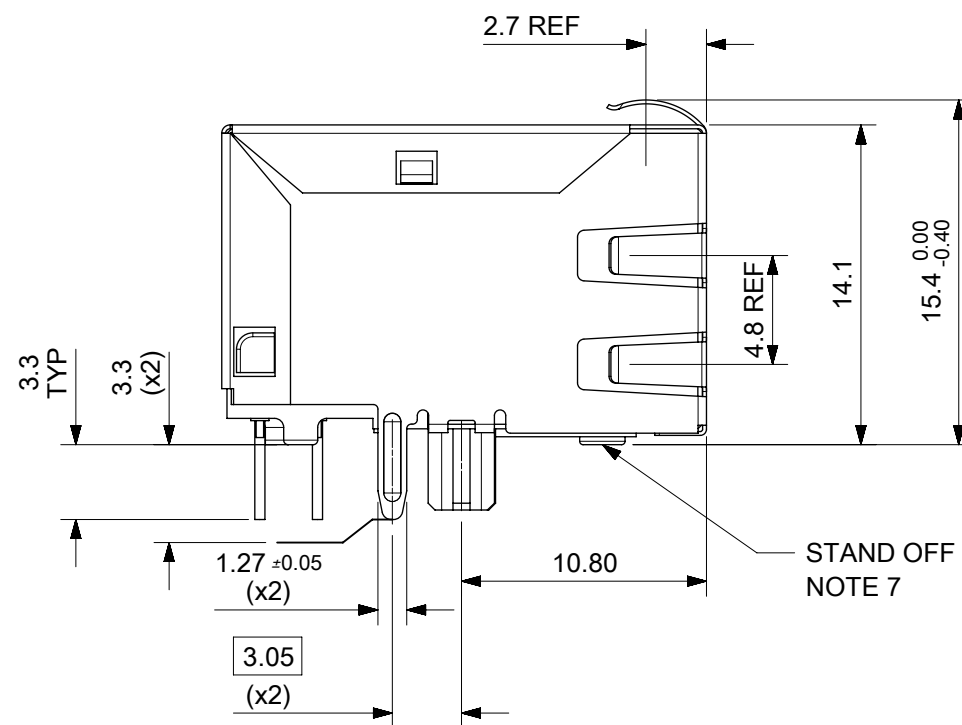
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED REFERENCE TO QUANTITY OF TRAYS PER STACK				molex	
mm		1:3							
GENERAL TOLERANCES (UNLESS SPECIFIED)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

DOCUMENT STATUS	P1	RELEASE DATE	2019/01/25	10:12:55
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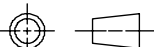
INVERTED PROFILE MAGNETIC JACK
FAST ETHERNET W/SHIELD TABS



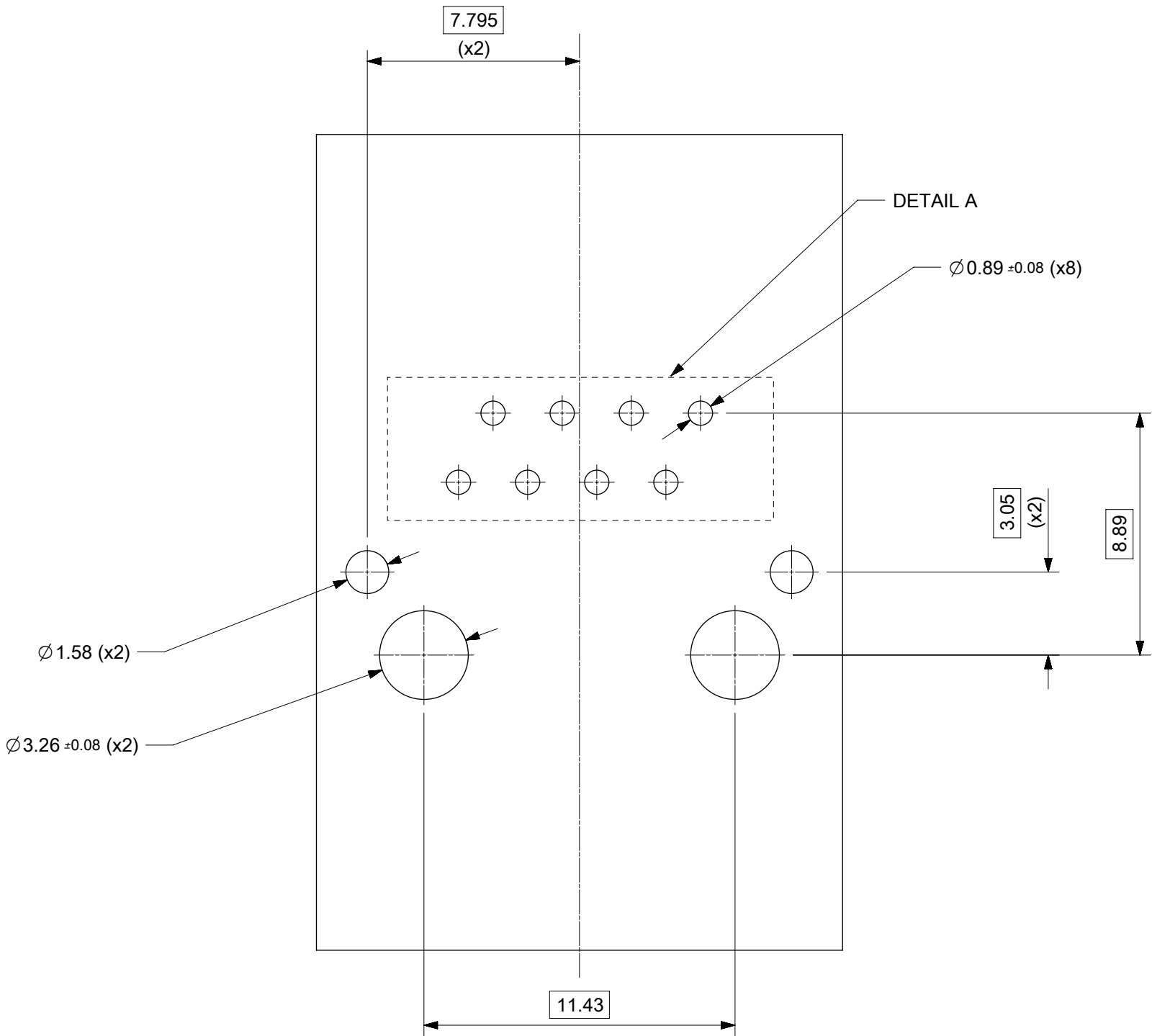
- NOTES:
- 1 - SHIELD MATERIAL: 0.17 mm THICK BRASS PRE-PLATED WITH NICKEL
SOLDER TABS POST DIPPED WITH MIN 1.27 μ m TIN
 - 2 - HOUSING MATERIAL: LCP, BLACK, UL 94V-0
 - 3 - TERMINALS MATERIAL: PHOSPHOR BRONZE
RJ45 CONTACTS PLATING: BASE NICKEL PLATED WITH GOLD
FLASH OVER PALLADIUM NICKEL. REFER TO 934620001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



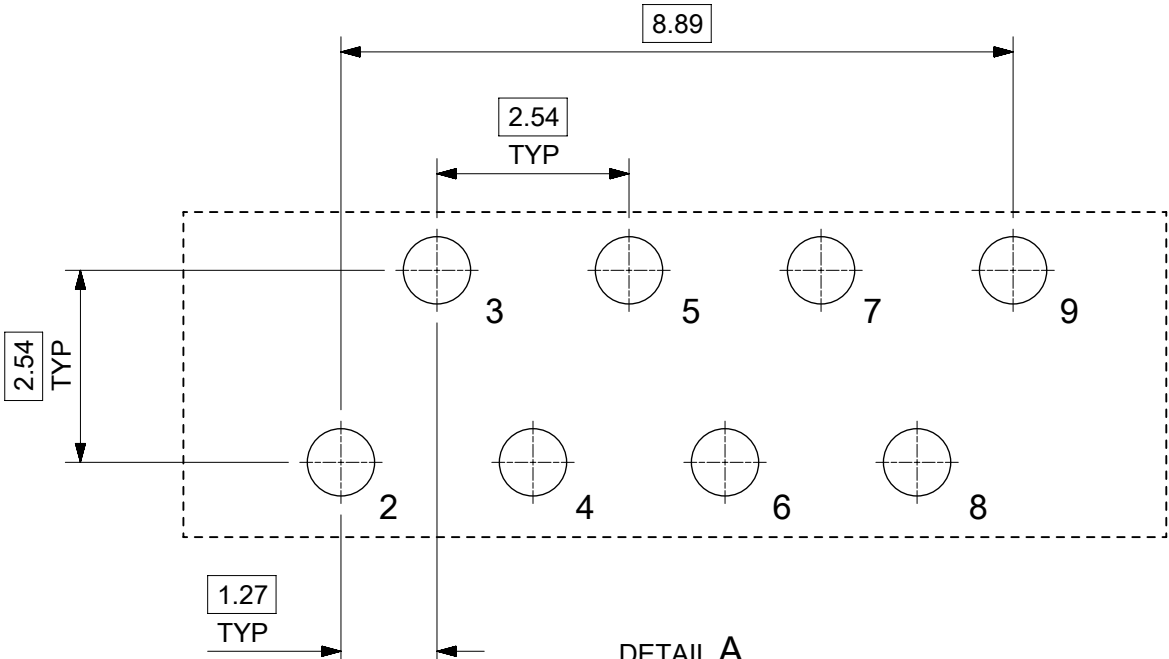
SUGGESTED PANEL CUT-OUT

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 REV APPR: DBYRNES	2017/05/09	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® INV MX-MAG 4 CORE FE W/SHIELD TABS			
	2017/09/12			mm		3:1					
	2017/09/26			DRWN BY		DATE					
	KREILLY			2015/09/28							
	CHKD BY			DATE							
	DSHEA			2017/09/12							
	ANGULAR TOL ± 2.0 °		APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
	4 PLACES ±		STGRIFFIN		2015/11/19						
	3 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION						
	2 PLACES ± 0.1		A2								
1 PLACE ± 0.2		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SERIES		MATERIAL NUMBER		CUSTOMER	
0 PLACES ±						93462		SEE TABLE ON SHEET 2		GENERAL MARKET	
B	REV					DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER	
						934620004		PSD		000 1 OF 3	

PART NUMBER	LEFT LED	RIGHT LED
93462-8320	N/A	N/A



SUGGESTED BOARD LAYOUT
FAST ETHERNET VERSION
COMPONENT SIDE
ALL DIMS REFERENCE DIMS



DETAIL A
SCALE 10:1

PIN CONFIGURATION
FOR FAST ETHERNET VERSION

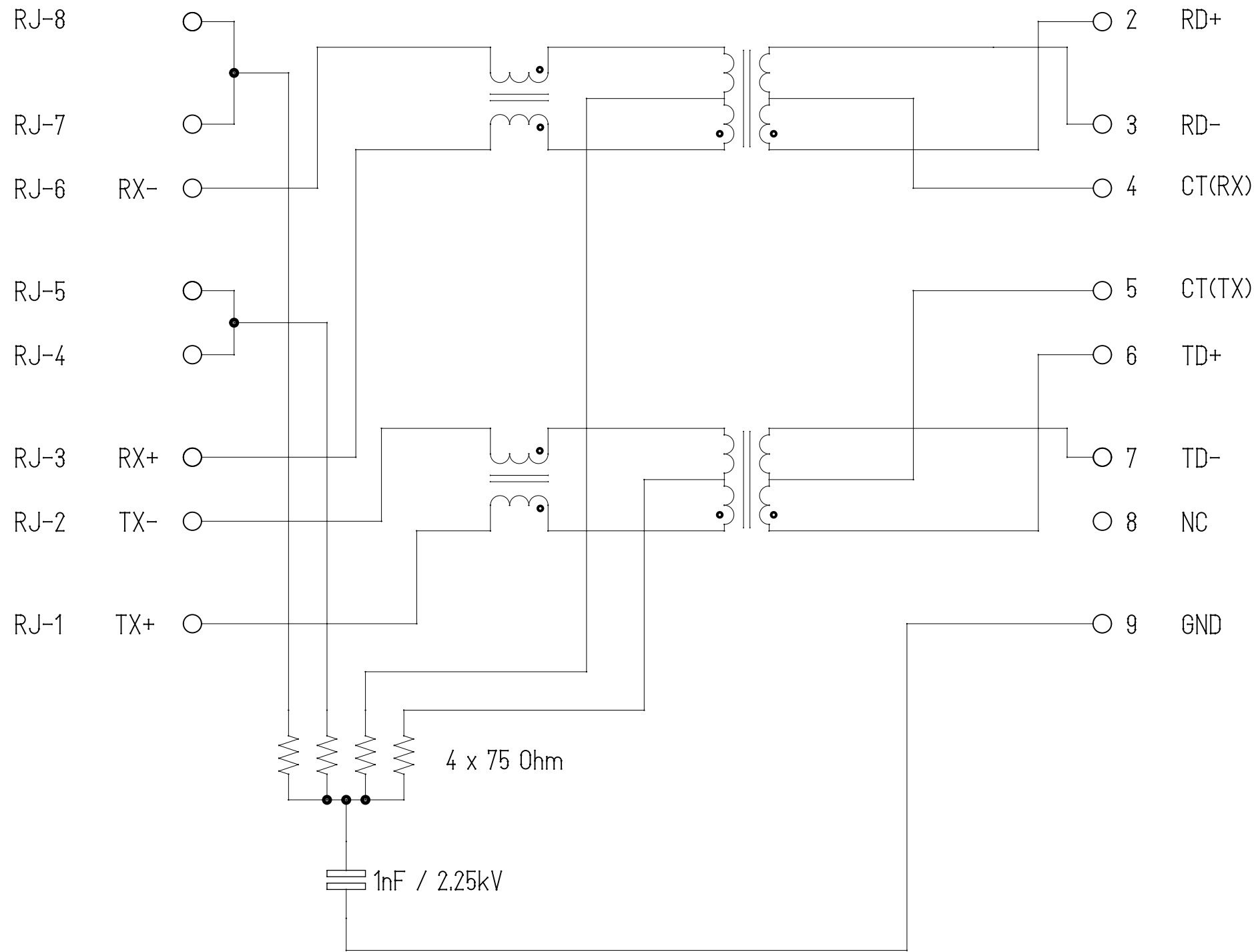
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
REVISED	EC NO: 116686 DRWN: KREILLY CHKD: DSHEA APPR: DBYRNES	2017/05/09 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
					mm		5:1								
			ANGULAR TOL ± 2.0 °		DRWN BY		DATE								
			4 PLACES ±		KREILLY		2015/09/28		INV MX-MAG 4 CORE FE W/SHIELD TABS						
			3 PLACES ±		CHK'D BY		DATE								
			2 PLACES ± 0.1		DSHEA		2017/09/12								
			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				93462		SEE TABLE		GENERAL MARKET				
B		REV		DOCUMENT NUMBER		934620004		DOC TYPE		PSD		DOC PART		SHEET NUMBER	
										000				2 OF 3	

RJ-45 CONTACTS

WIRE-SIDE / RJ-45

ETHERNET MAGNETICS

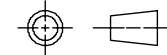
PHY-SIDE / PCB SIDE



Description	Value	
OCL @100 kHz, 0.1 V 8 mA DC bias (-40°C to +85°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 kVDC/60sec	

ETHERNET TERMINALS

Shield

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REVISED	EC NO: 116686 DRWN: KREILLY CHKD: DSHEA REV APPR: DBYRNES	2017/05/09 2017/09/12 2017/09/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® INV MX-MAG 4 CORE FE W/SHIELD TABS							
					mm		1:1									
			ANGULAR TOL ± 2.0 °		DRWN BY		DATE									
			4 PLACES ±		KREILLY		2015/09/28		PRODUCT CUSTOMER DRAWING							
			3 PLACES ±		CHK'D BY		DATE									
			2 PLACES ± 0.1		DSHEA		2017/09/12									
			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	
							A2				93462		SEE TABLE ON SHEET 2		GENERAL MARKET	
								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
								934620004		PSD		000		3 OF 3		

RELEASE STATUS	P1	RELEASE DATE	26.09.2017	10:55:48
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