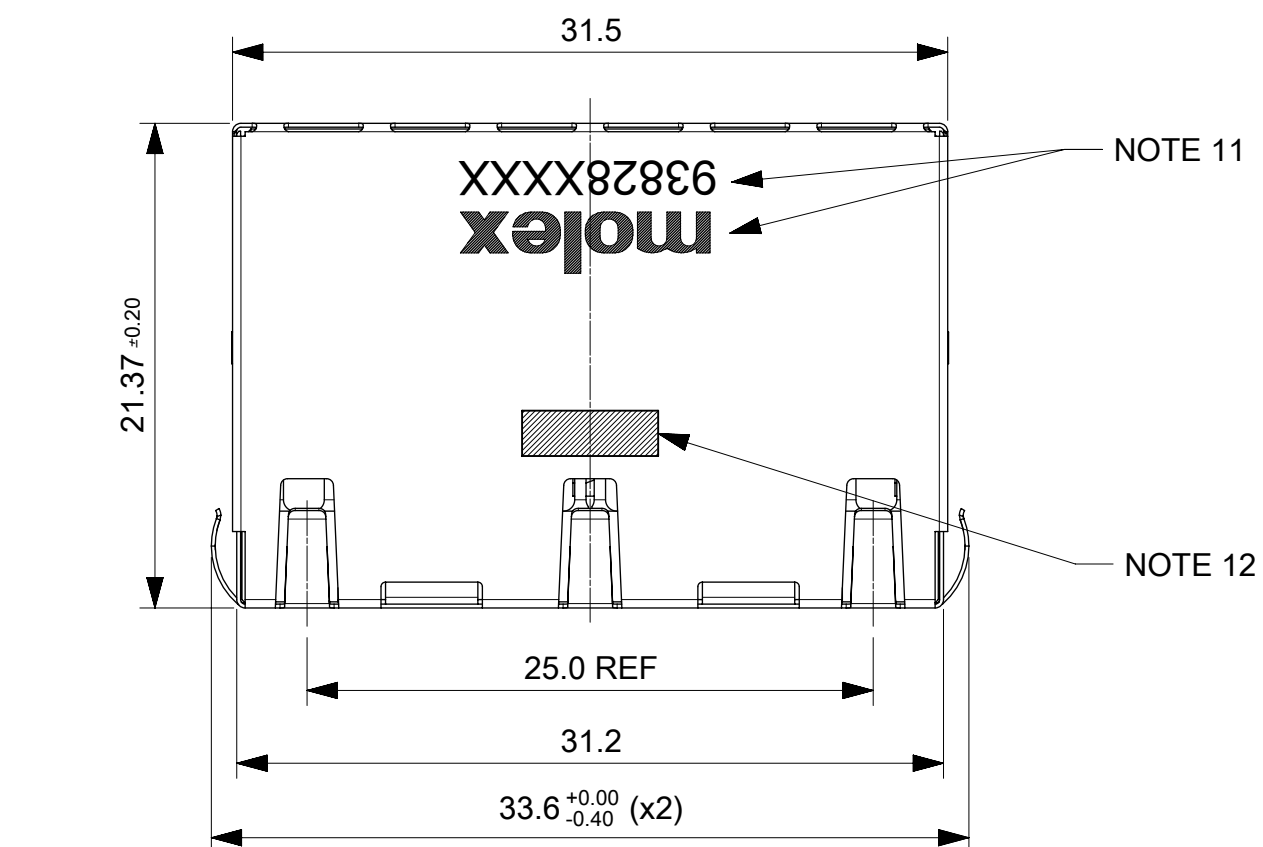
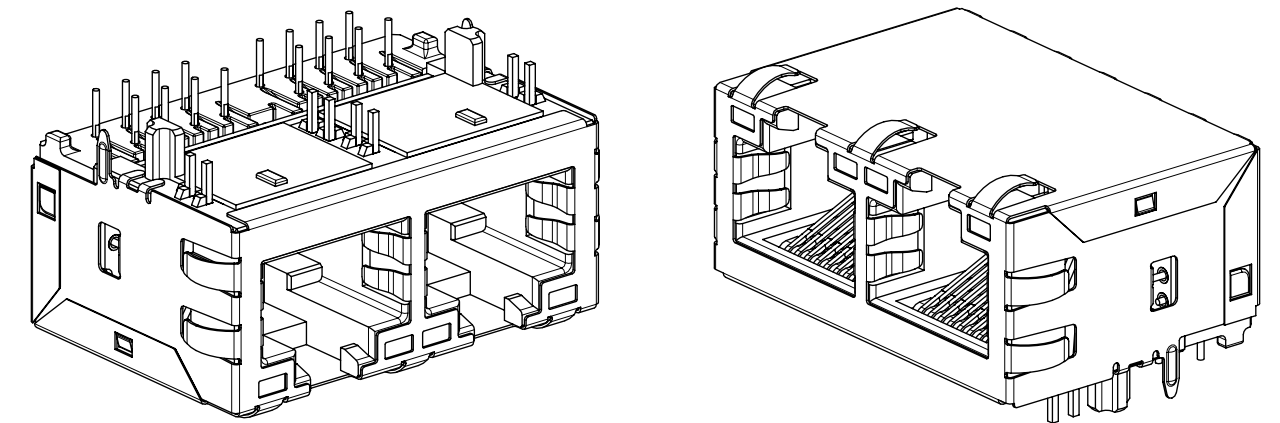
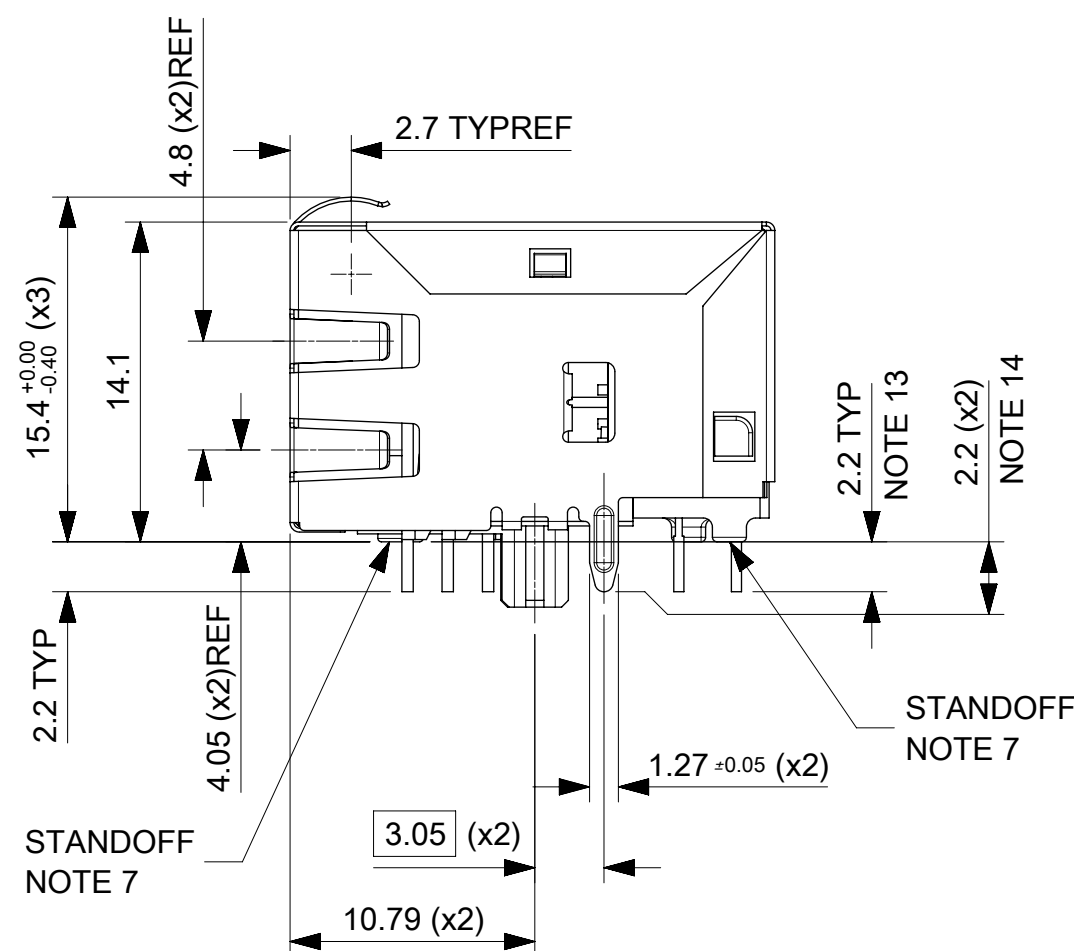
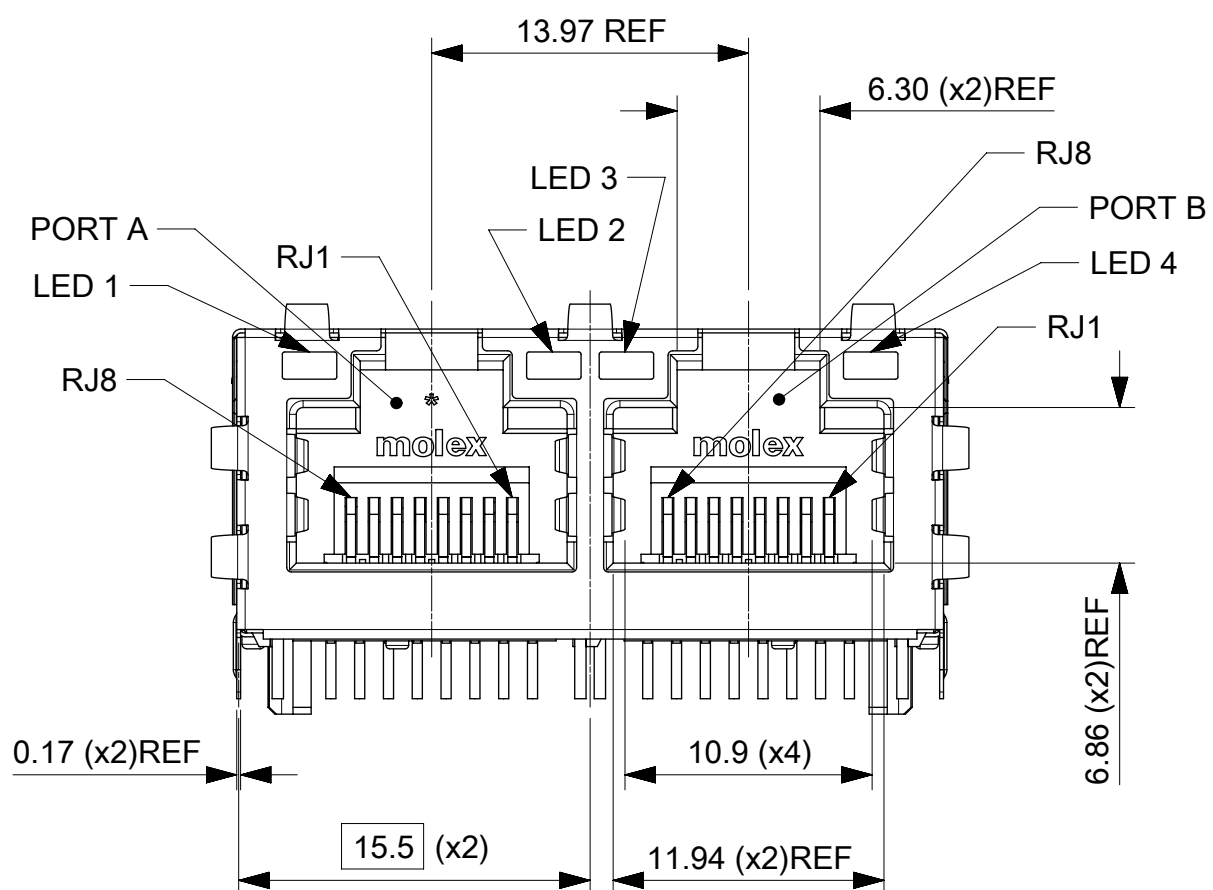




PART NO.	LED COLOR			
	LED 1	LED 2	LED 3	LED 4
938283026	GREEN	YELLOW	GREEN	YELLOW

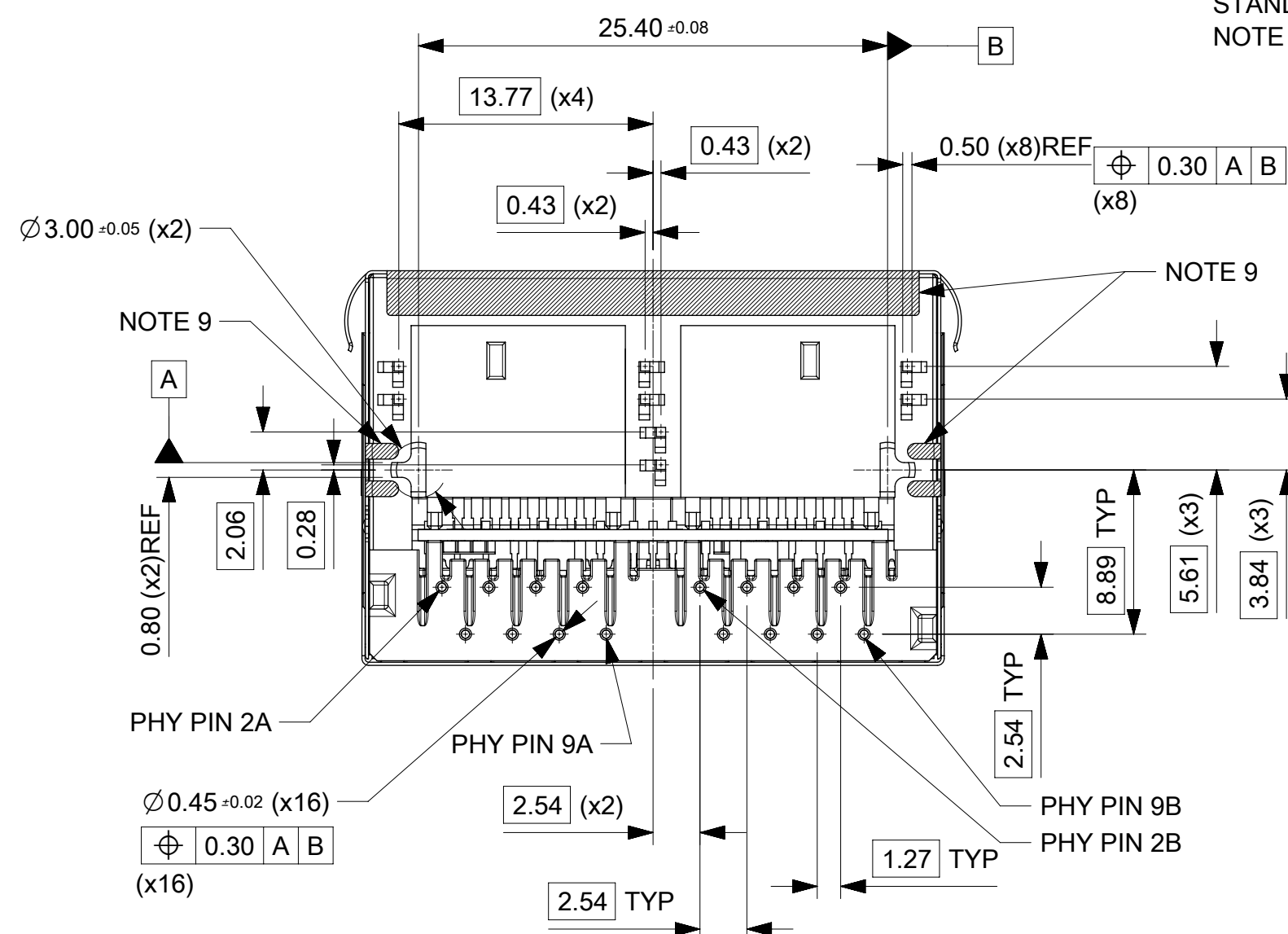


INVERTED PROFILE DUAL PORT MAGNETIC JACK
FAST ETHERNET
WITH LED
WITH SHIELD TABS



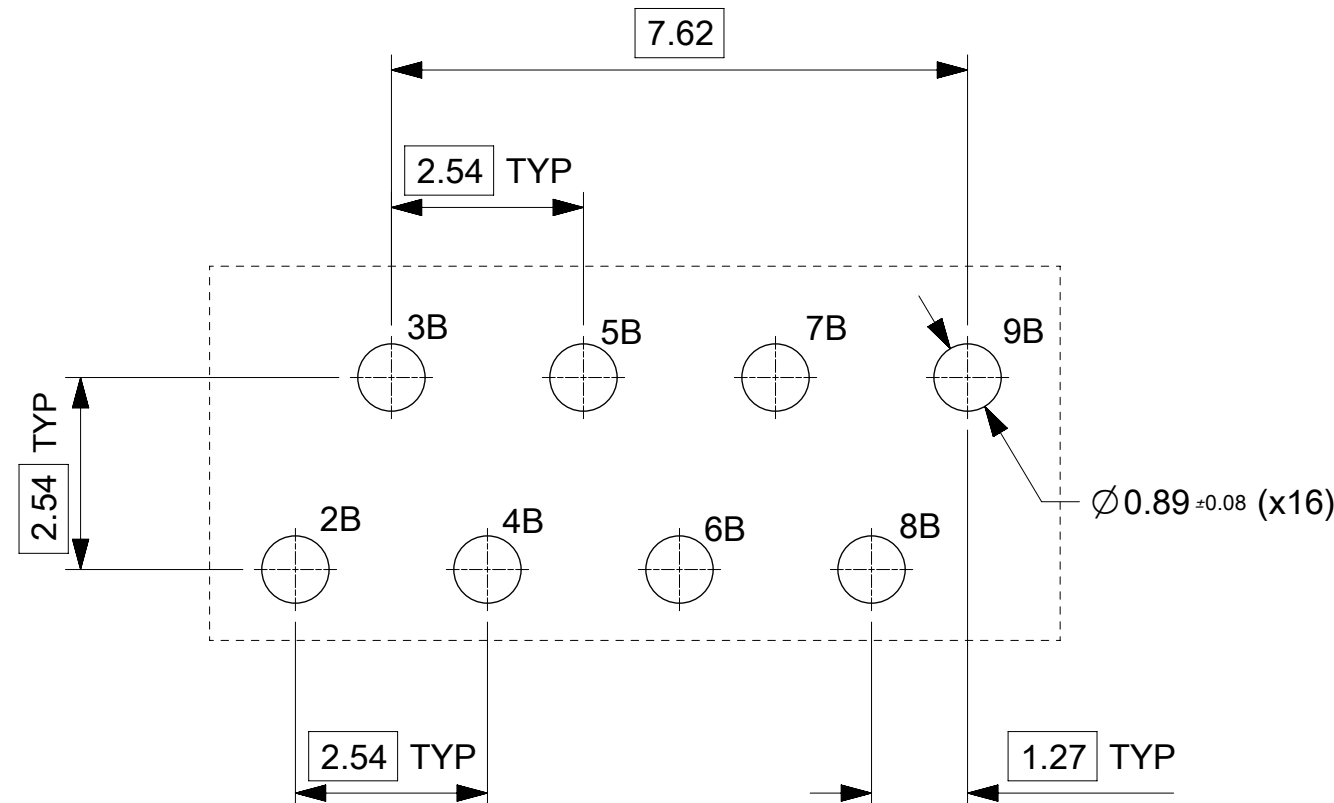
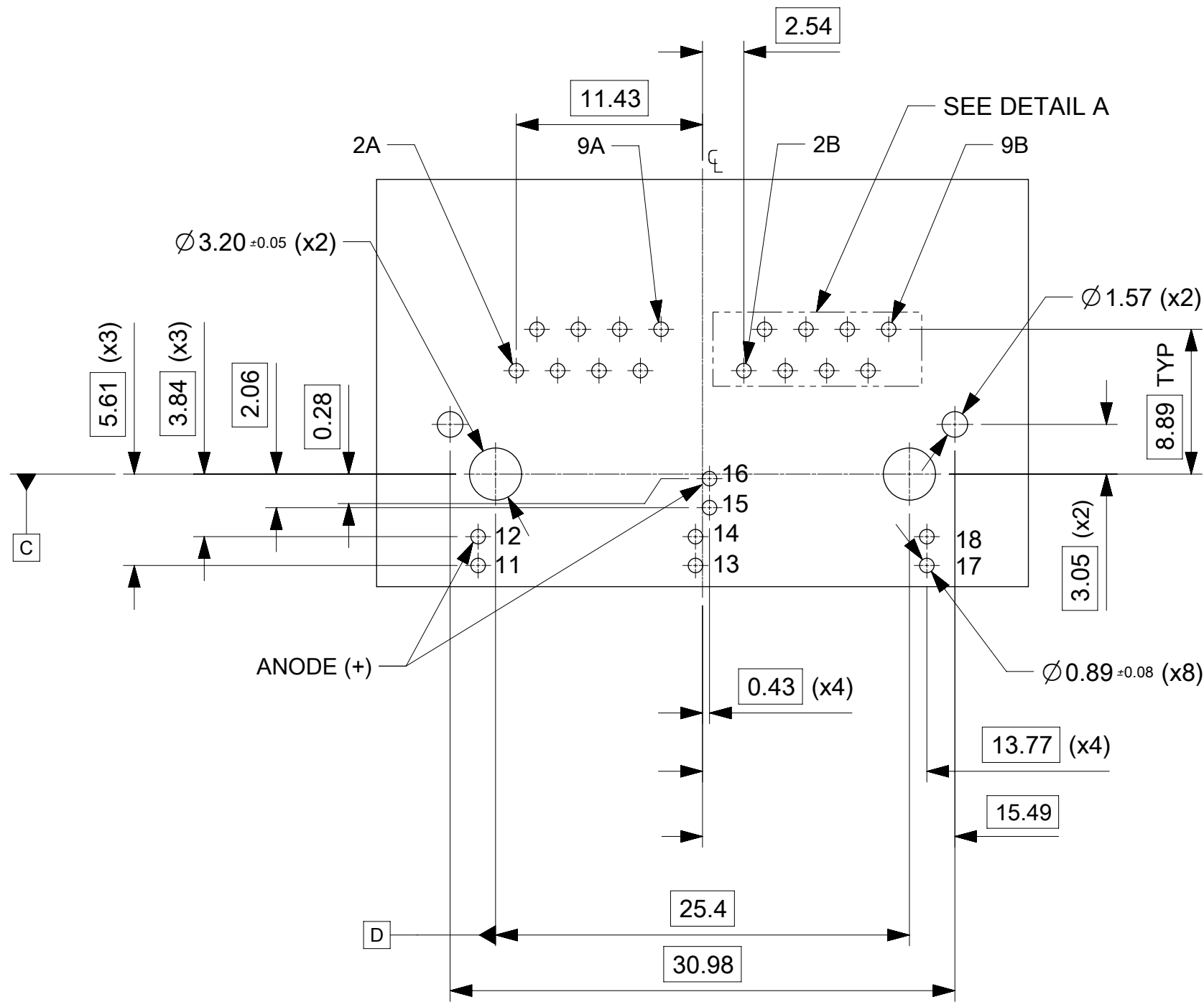
NOTES:

- 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 WITH TIN OVER NICKEL PLATING
- 4 - MATING INTERFACE ACCORDING TO IEC 60603-7 & TIA-1096-A
- 5 - PRODUCT SPECIFICATION: 934620001 PSP
- 6 - PACKAGING SPECIFICATION: 938240001 PSK TRAY
TRAY PACKAGING DRAWING: 990250161 PSD
- 7 - STAND OFF TO SYSTEM BOARD 0.30 mm MIN
- 8 - RECOMMENDED PCB THICKNESS: 1.6 mm
- 9 - SHIELD: AVOID ROUTING TRACES
OR PLACING ANY VIAS BELOW THESE AREAS.
- 10 - FE VERSIONS DO NOT HAVE PINS 1A, 10A, 1B OR 10B
- 11 - INSCRIPTION MARKED BY LASER:
 - 1st: MOLEX
 - 2nd: PART NUMBER
- 12 - INSCRIPTION MARKED BY LASER:
DATE CODE (DAY/WEEK/YEAR)
- 13 - PHY PIN LENGTH
- 14 - SHIELD SOLDER TAB LENGTH

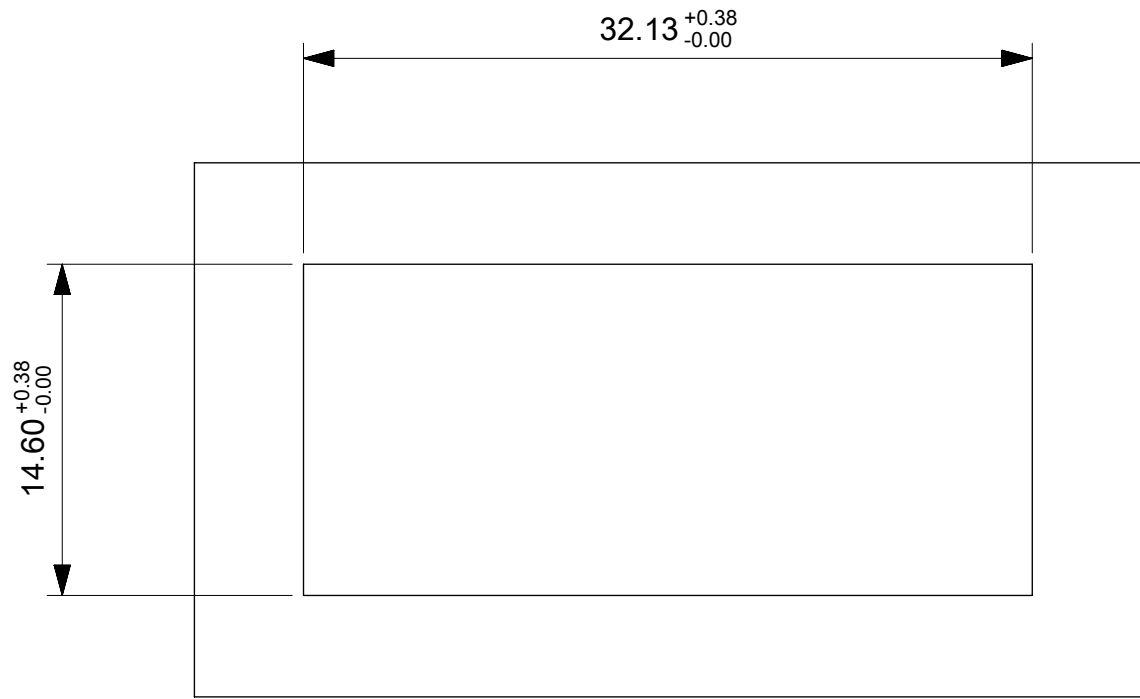


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE TEMP RANGE FROM COMMERCIAL TO INDUSTRIAL.				molex							
mm		3:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 646914 DRWN: DBYRNES 2020/09/18 CHK'D: LKATARZIENE 2020/10/15 APPR: LKATARZIENE 2020/10/15				MXMAG DUAL PORT 4C FE INDUSTRIAL W/ LED							
ANGULAR TOL ± 2.0°															
4 PLACES ±															
3 PLACES ±				INITIAL REVISION: DRWN: DSHEA 2017/04/05 APPR: DBYRNES 2017/11/07				PRODUCT CUSTOMER DRAWING							
2 PLACES ± 0.1															
1 PLACE ± 0.2				DOCUMENT NUMBER 938280001				DOC TYPE PSD		DOC PART 000		REVISION E			
0 PLACES ±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A2-SIZE		SERIES 93828		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 3	

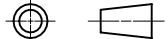
RECOMMENDED PCB LAYOUT
FE VERSION W/ LED
COMPONENT SIDE
ALL DIMENSIONS REF DIMENSIONS

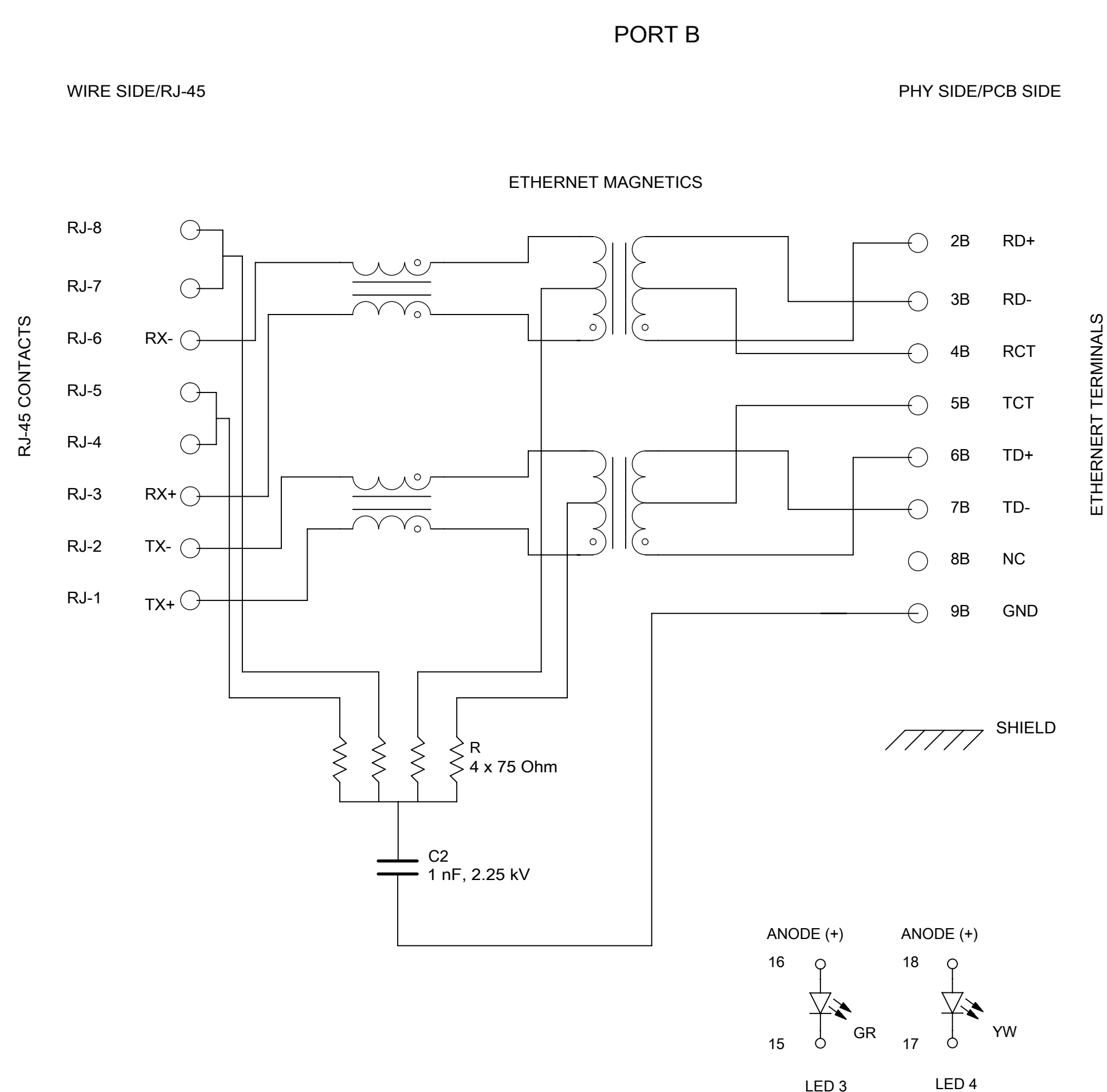
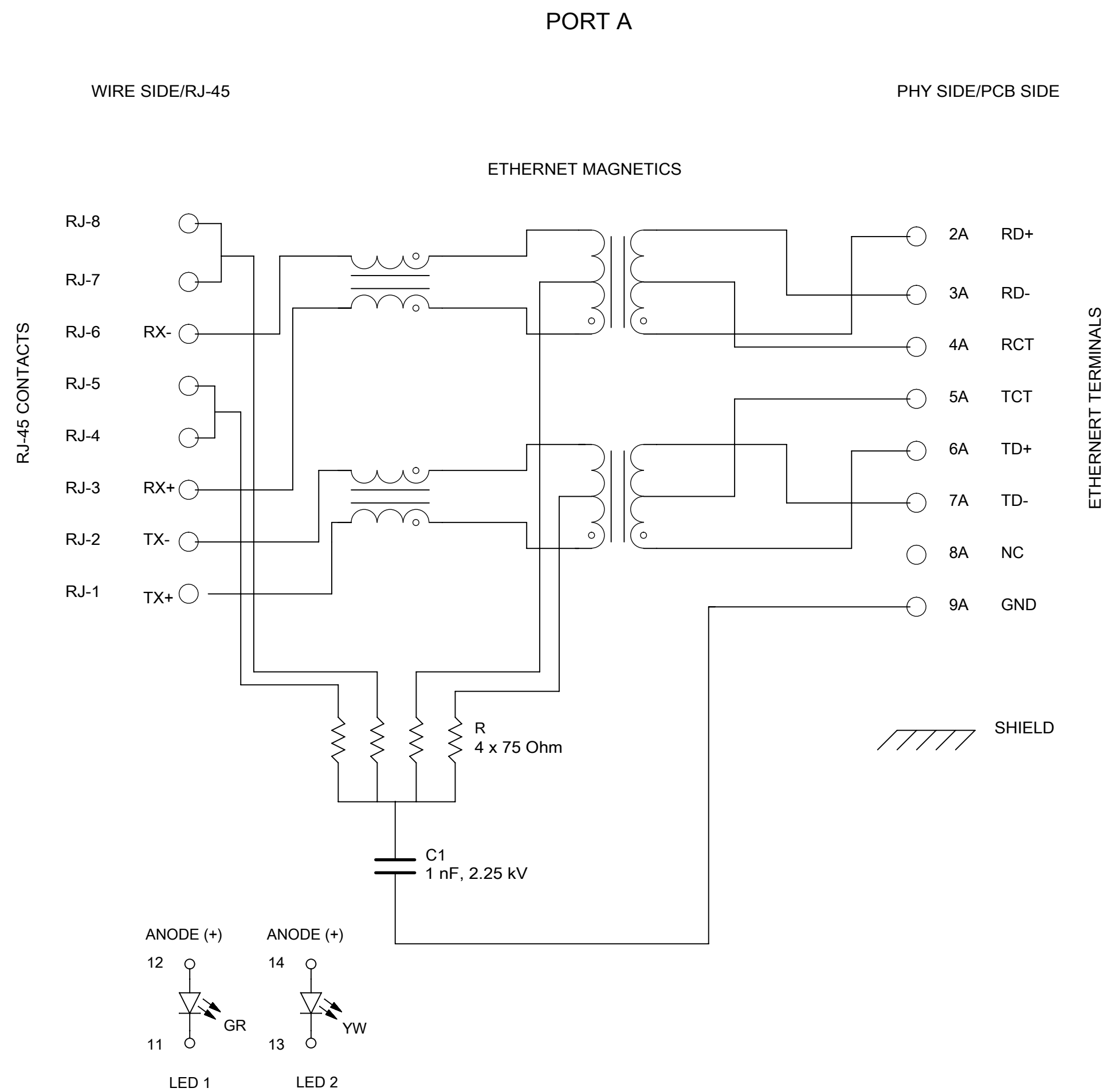


DETAIL A
SCALE 10:1



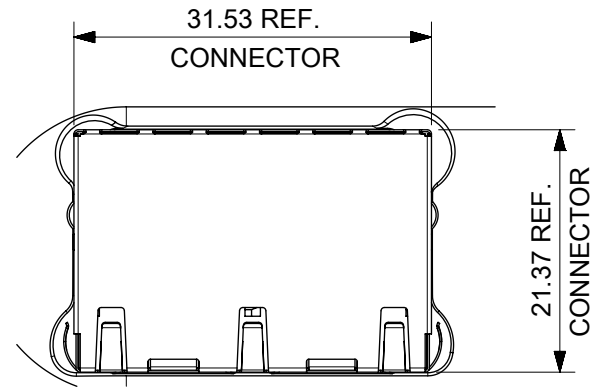
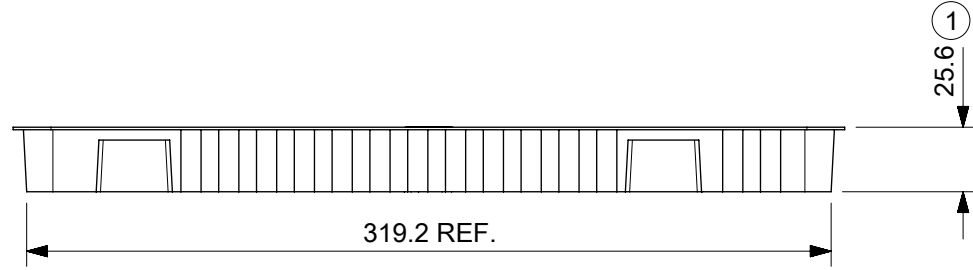
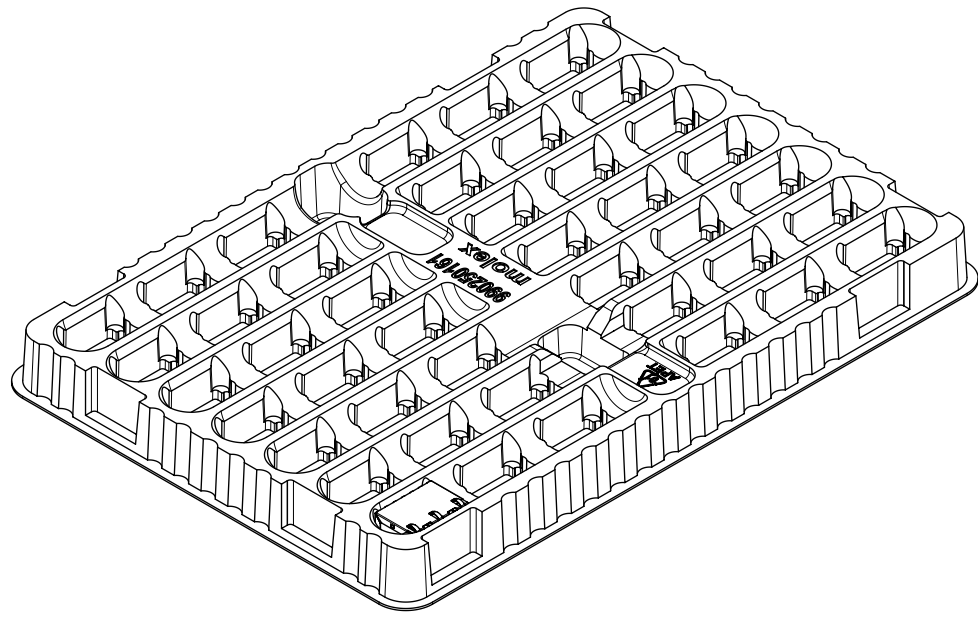
SUGGESTED PANEL CUTOUT

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: UPDATE TEMP RANGE FROM COMMERCIAL TO INDUSTRIAL.			molex		
mm		3:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				MXMAG DUAL PORT 4C FE INDUSTRIAL W/ LED					
ANGULAR TOL ± 2.0 °									
4 PLACES		±		EC NO: 646914			PRODUCT CUSTOMER DRAWING		
3 PLACES		±		DRWN: DBYRNES 2020/09/18					
2 PLACES		± 0.1		CHK'D: LKATARZIENE 2020/10/15					
1 PLACE		± 0.2		APPR: LKATARZIENE 2020/10/15			DOCUMENT NUMBER		
0 PLACES		±		INITIAL REVISION:					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: DSHEA 2017/04/05			DOC TYPE		
				APPR: DBYRNES 2017/11/07					
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER	
				A2-SIZE		93828			
								SHEET NUMBER	
								GENERAL MARKET	

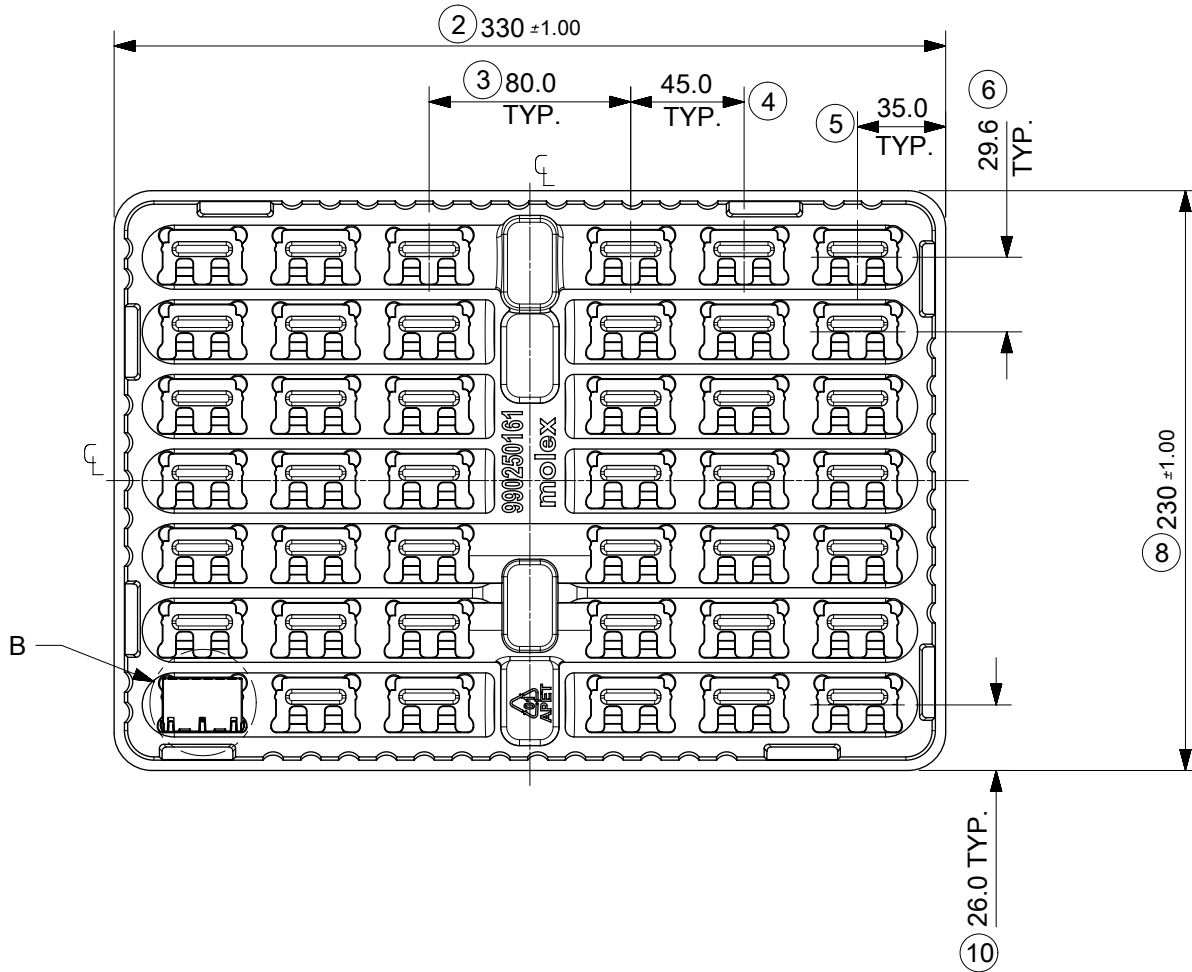
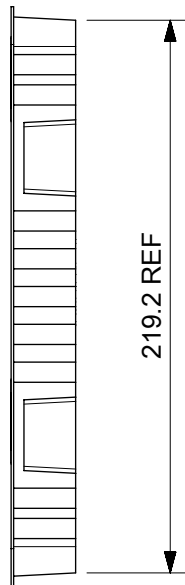


Description	Value	
OCL @100 kHz, 0.1 V 8 mA DC bias (-40°C to +85°C)	350 µH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency f, (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9	0.4+0.1*log(f)	0.5 @ 10 MHz
10-49.9	0.5+0.3*log(f/10)	0.7 @ 50MHz
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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DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE TEMP RANGE FROM COMMERCIAL TO INDUSTRIAL.			molex			
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				MXMAG DUAL PORT 4C FE INDUSTRIAL W/ LED						
ANGULAR TOL ± 2.0 °										
4 PLACES		±								
3 PLACES		±								
2 PLACES		± 0.1		PRODUCT CUSTOMER DRAWING						
1 PLACE		± 0.2								
0 PLACES		±		DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION	
				938280001			PSD	000	E	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A2-SIZE	93828	SEE SHEET 1		GENERAL MARKET		3 OF 3



DETAIL B
SCALE 3:2



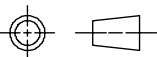
- NOTES:
- 1. MATERIAL: PETA ANTISTATIC
 - 2. THICKNESS: 0.9 mm REF
 - 3. COLOUR: CLEAR
 - 4. BOW 2 mm MAXIMUM PER 330 mm
 - 5. TWIST 2 mm MAXIMUM PER 330 mm
 - 6. TRAY PART NO. AND RECYCLE LOGO TO BE CLEARLY MARKED ON TRAY
RECYCLE LOGO SHOULD BE APPROPRIATE TO MATERIAL USED
 - 7. WHERE RELEVANT, DIMENSIONS SHOULD BE SYMMETRICAL ABOUT THE CENTRELINE
 - 8. GENERAL PROFILE TOLERANCE  0.40 ON NON DIMENSIONED FEATURES
 - 9. PACKAGING SPECIFICATION: 938240001 PSK

DIMENSION NUMBERS DELETED: 7, 9, 11, 12
LAST INSPECTION NUMBER USED: 10

RELEASE STATUS	P1	RELEASE DATE	07.11.2017	10:13:22
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FORMAT: master-B-prod-A3
REVISION: 15
DATE: 2015/12/14

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ORIGINAL RELEASE EC NO: 123046 DRWN: DSHEA CHK'D: SMCGREEVY APPR: DBYRNES		2017/10/17		2017/10/23		2017/11/07		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®					
		ANGULAR TOL ± 1.0 °		mm		1:3													
		4 PLACES		±		DRWN BY		DATE		MXMAG DUAL PORT TRAY									
		SMCGREEVY		2017/06/15															
		3 PLACES		±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING									
		SMCGREEVY		2017/10/23															
		2 PLACES		± 0.2		APPR BY		DATE		SERIES				MATERIAL NUMBER		CUSTOMER			
		DBYRNES		2017/11/07															
		1 PLACE		± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION		99025		990250150		GENERAL MARKET					
		0 PLACES		±		A3													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER			
								990250161				PSD		000		1 OF 1			