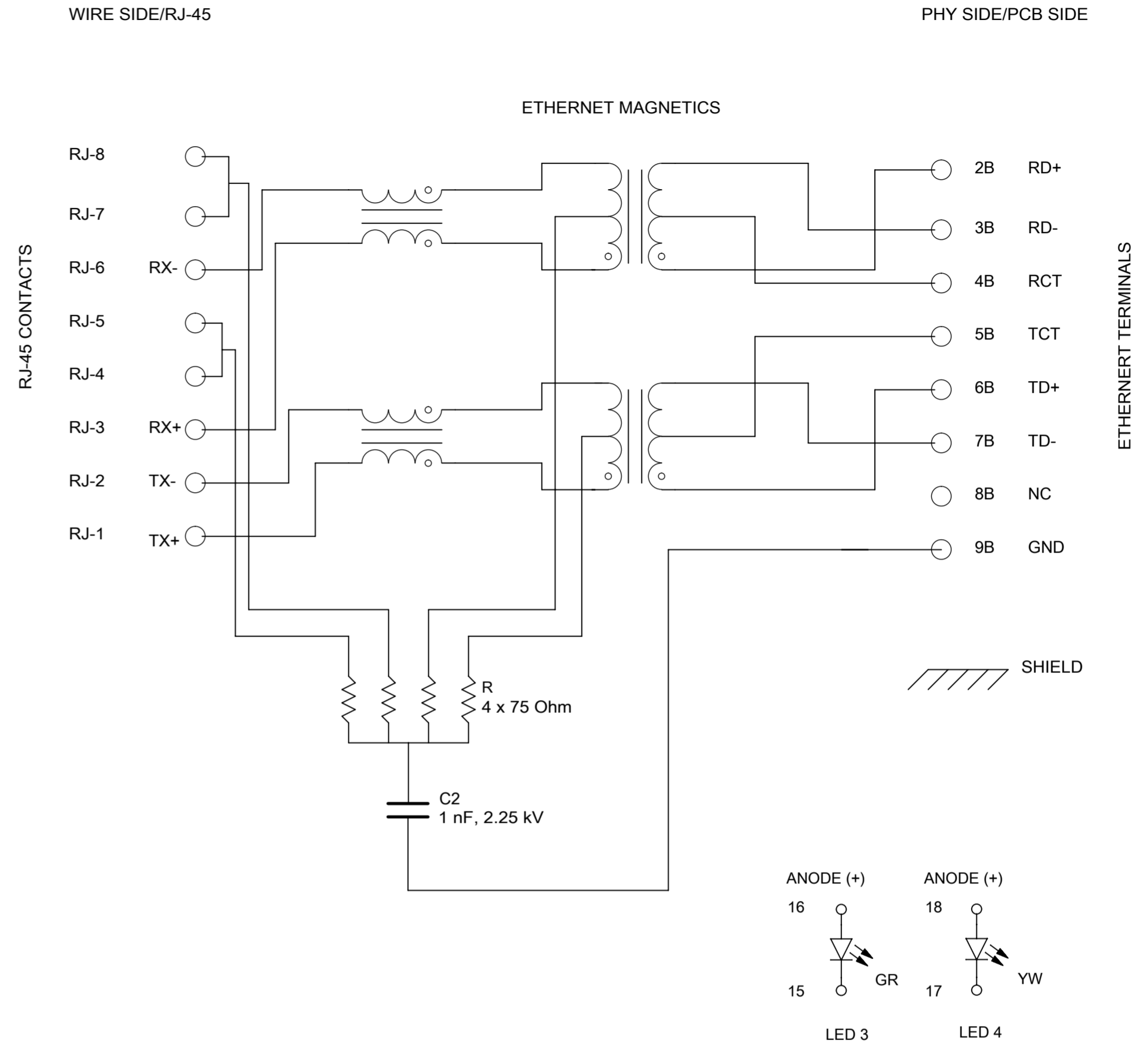
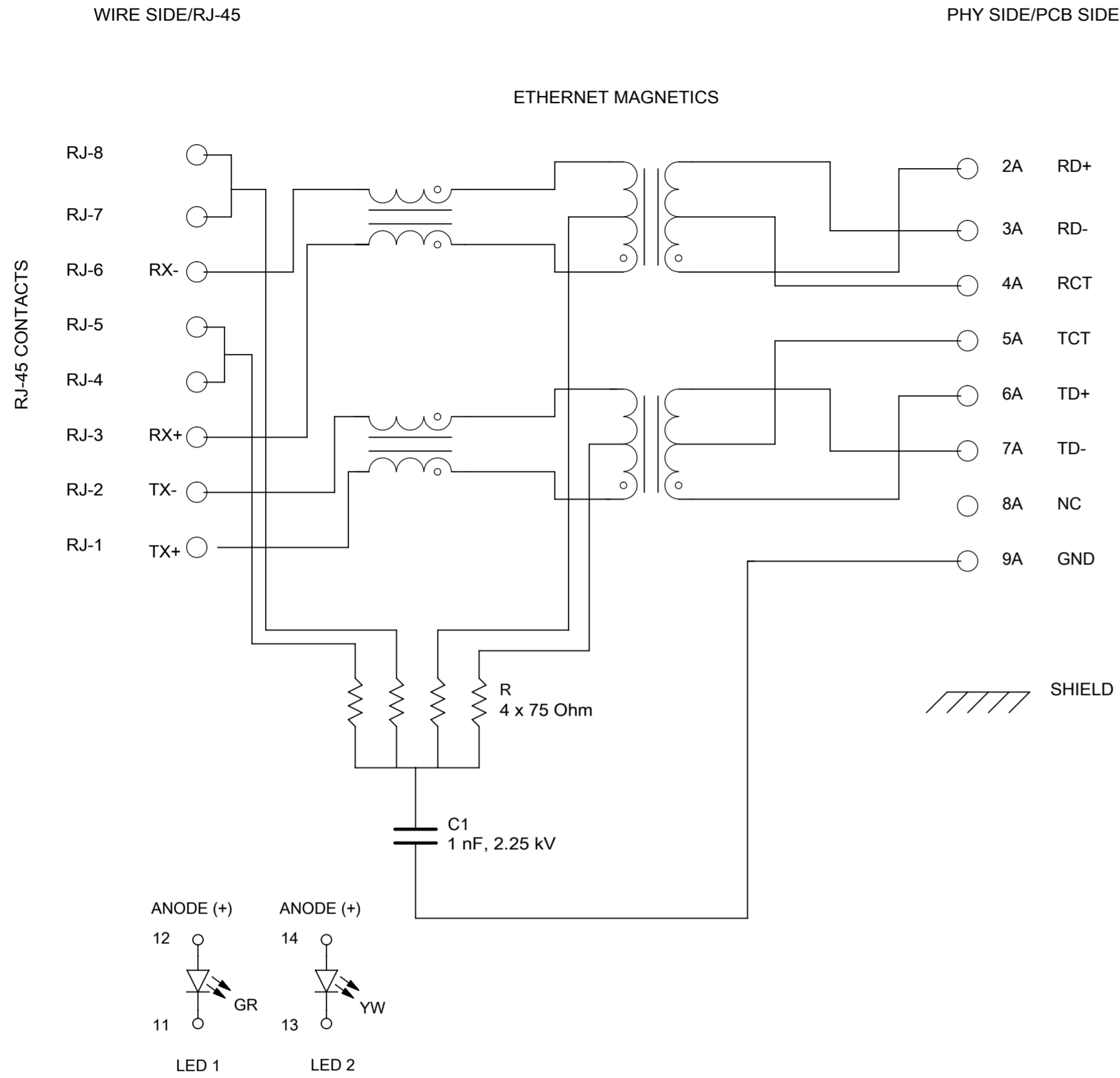


PORT A

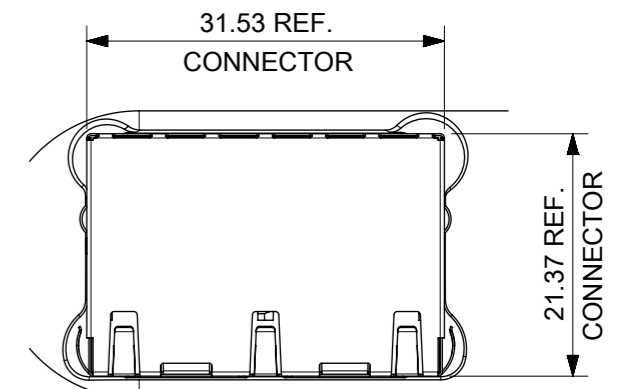
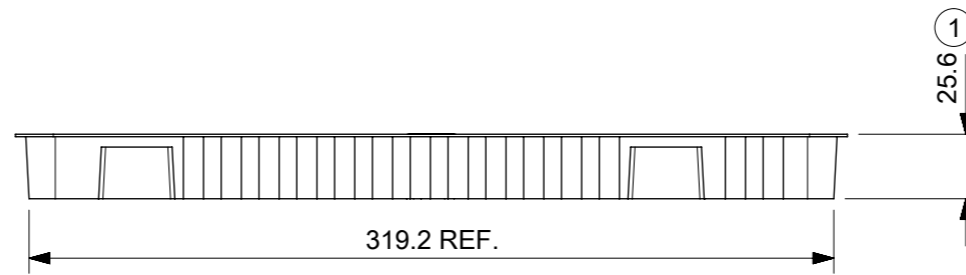
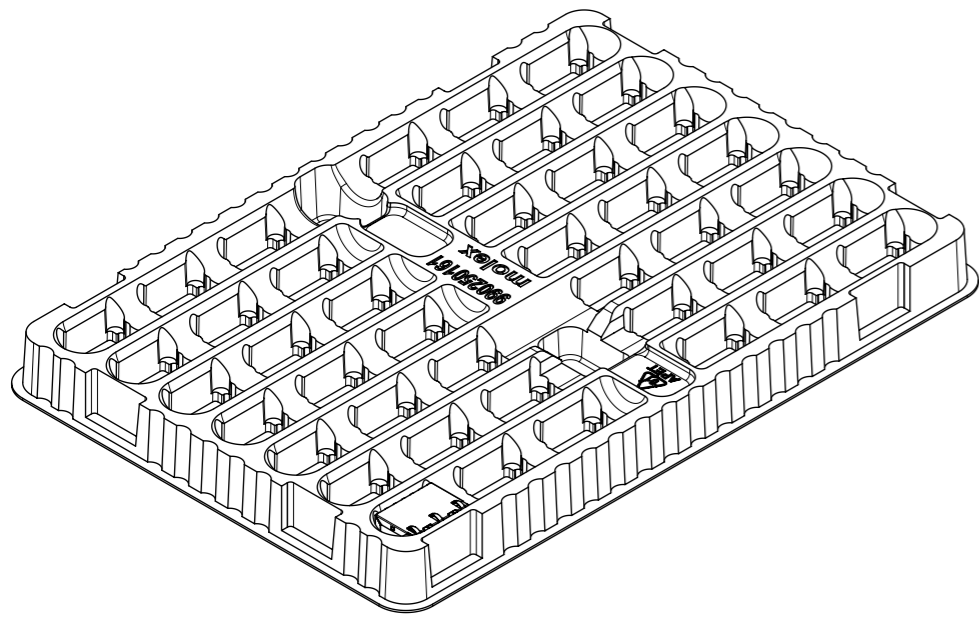
PORT B



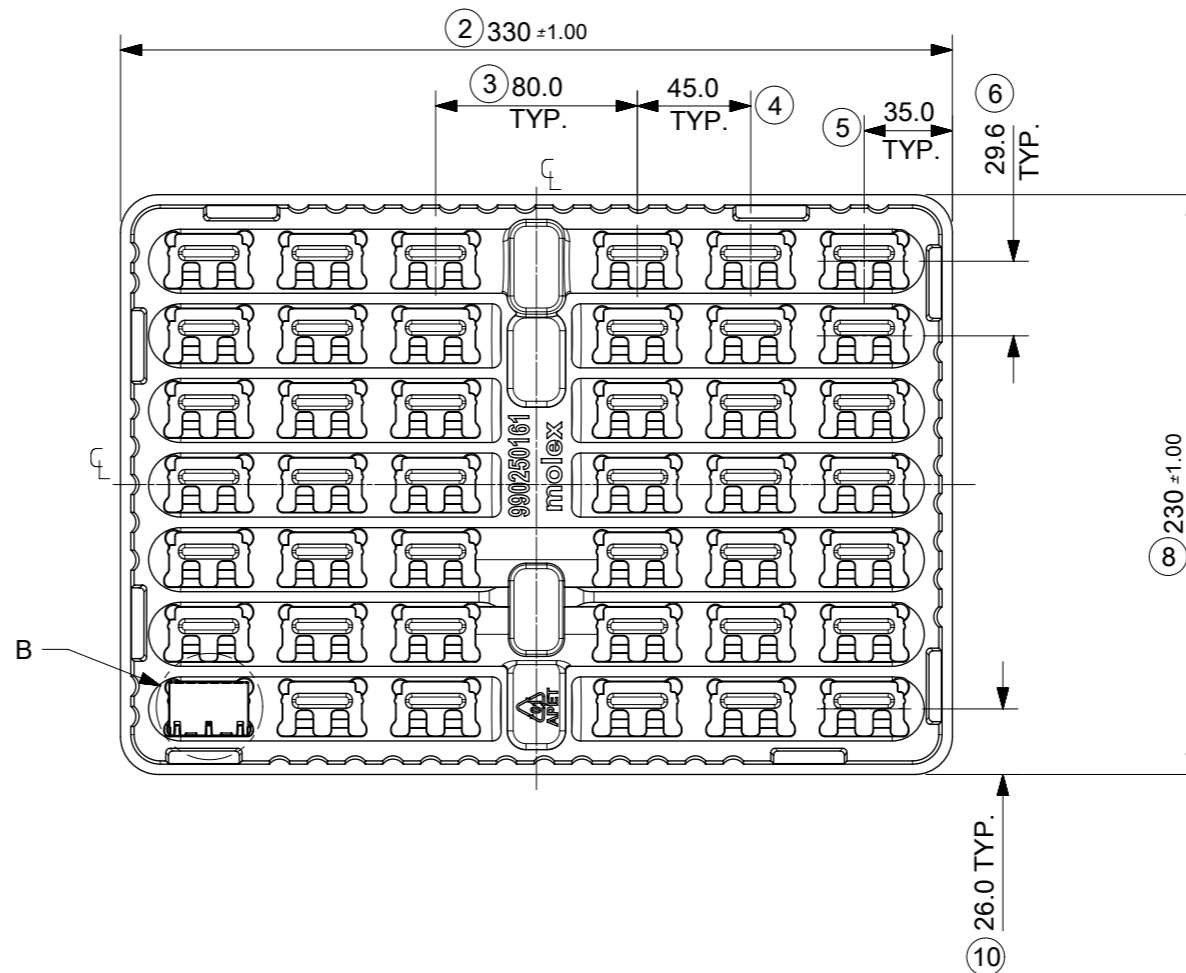
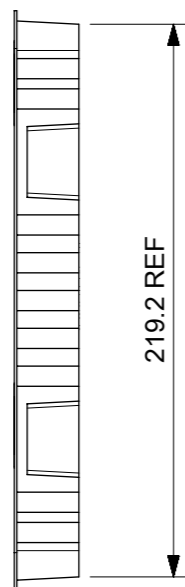
Description	Value	
OCL @100 kHz, 0.1 V 8 mA DC bias (0°C to +70°C)	350 μH min.	
Turns ratio	1CT:1CT	
Transmission characteristics @ 25°C, all four pairs		
Insertion Loss		
Frequency f, (MHz)	Limits (dB max.)	Typical Values (dB max.)
1.0-9.9	0.4+0.1*log(f)	0.5 @ 10 MHz
10-49.9	0.5+0.3*log(f/10)	0.7 @ 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 kVDC/60sec	

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: UPDATED SCHEMATIC TO VERSION WITH 2 CAPACITORS							
mm	1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 630132 DRWN: DSHEA 2020/01/09 CHK'D: DBYRNES 2020/01/21 APPR: DBYRNES 2020/01/21 MXMAG DUAL PORT 4C FE COMMERCIAL W/ LED				
ANGULAR TOL	± 2.0°								
4 PLACES	±				PRODUCT CUSTOMER DRAWING				
3 PLACES	±								
2 PLACES	± 0.1				INITIAL REVISION: DRWN: DSHEA 2017/04/05 APPR: DBYRNES 2017/11/07				
1 PLACE	± 0.2								
0 PLACES	±				DOCUMENT NUMBER: 938280001 DOC TYPE: PSD DOC PART: 000 REVISION: D				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES					
			A2-SIZE	93828	SEE SHEET 1		GENERAL MARKET		3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2020/01/21	09:34:30
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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 $\frac{\text{R}}{0.40}$ ON NON DIMENSIONED FEATURES
9. PACKAGING SPECIFICATION: 938240001 PSK

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

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

RELEASE STATUS	P1	RELEASE DATE	07.11.2017	10:13:22
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