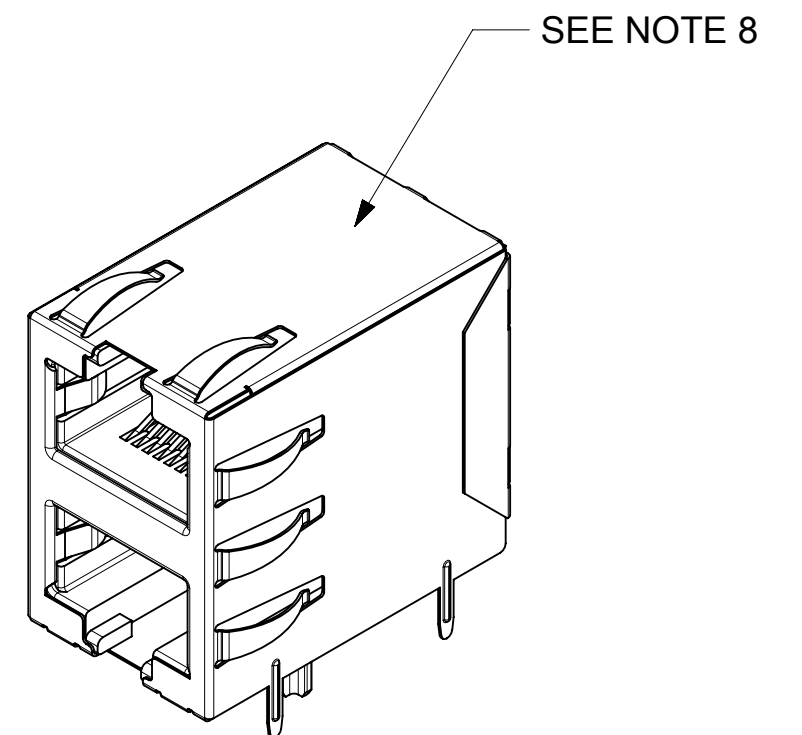
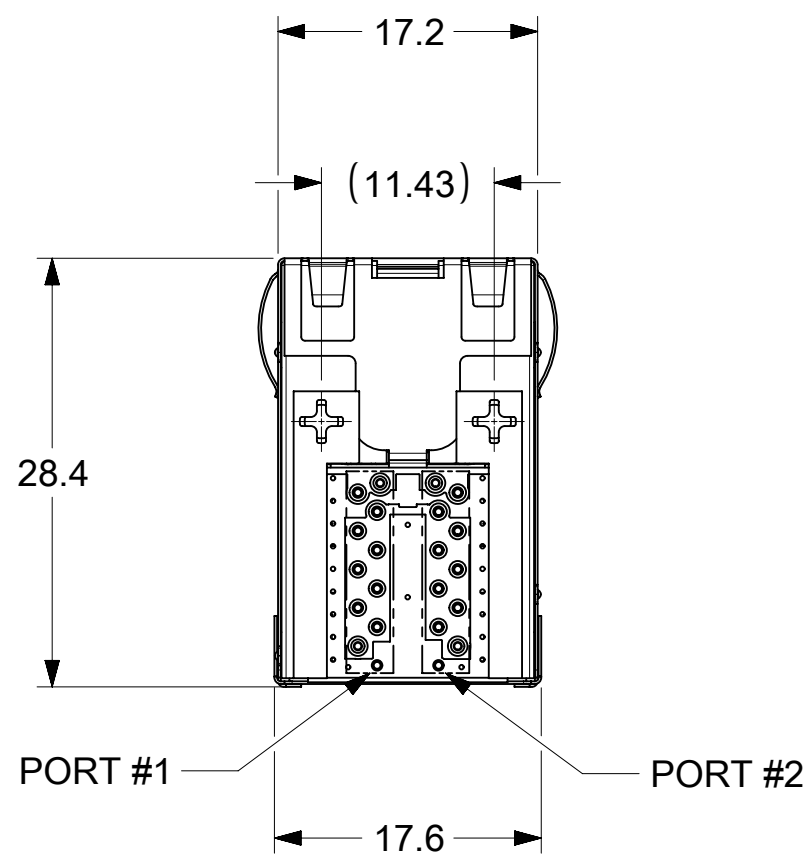
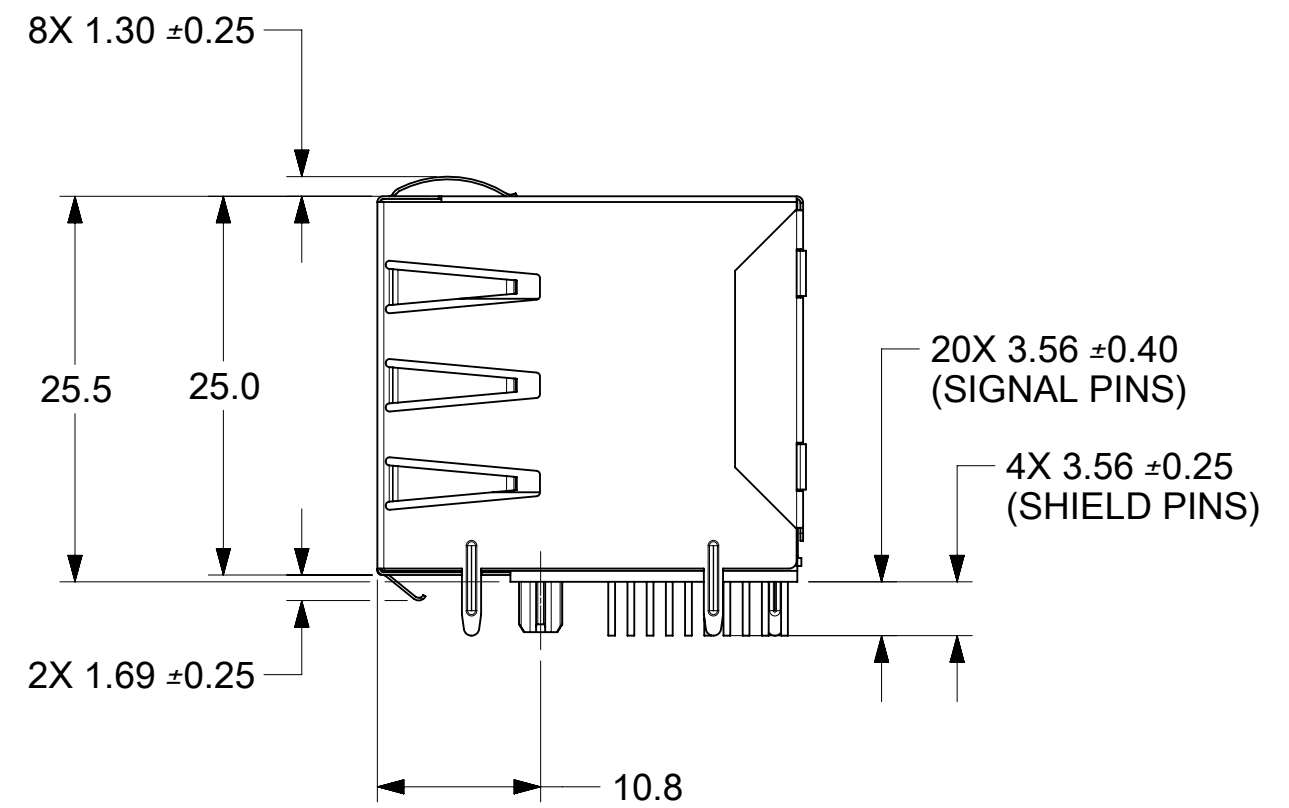
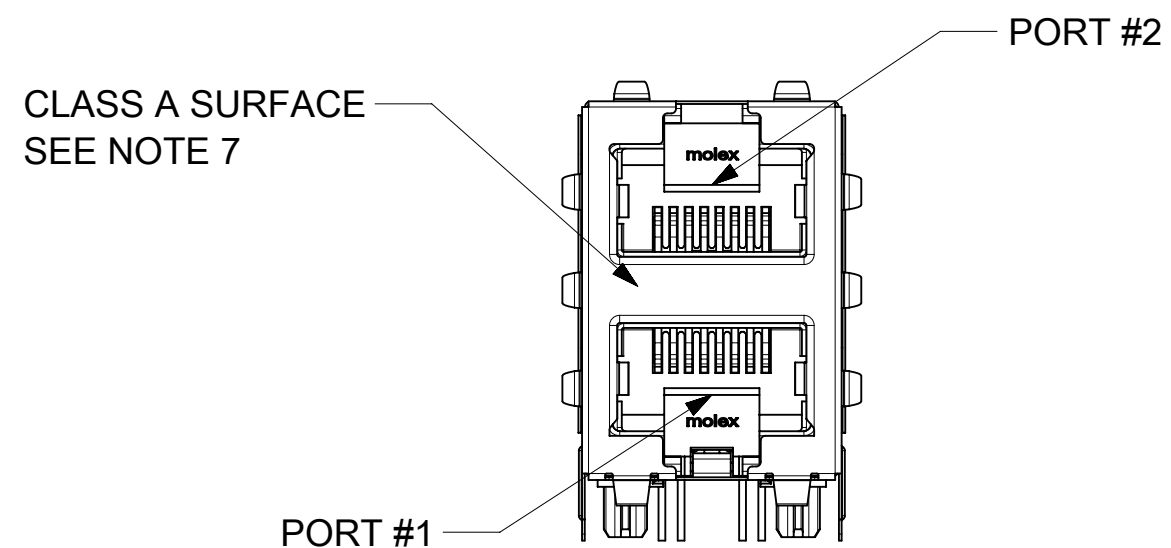
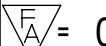
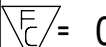
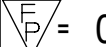
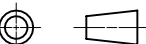


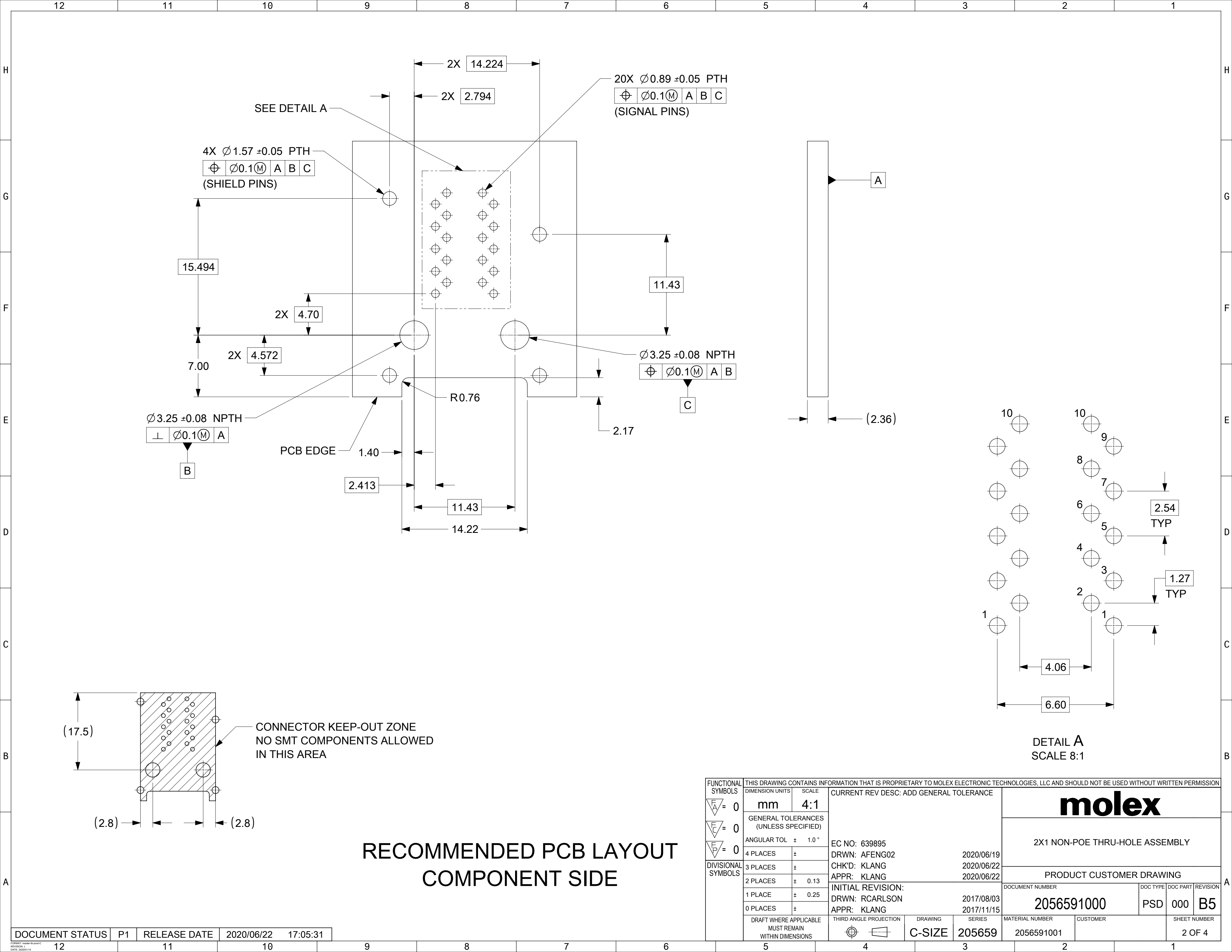
PART NUMBER: 205659-1001 SHOWN



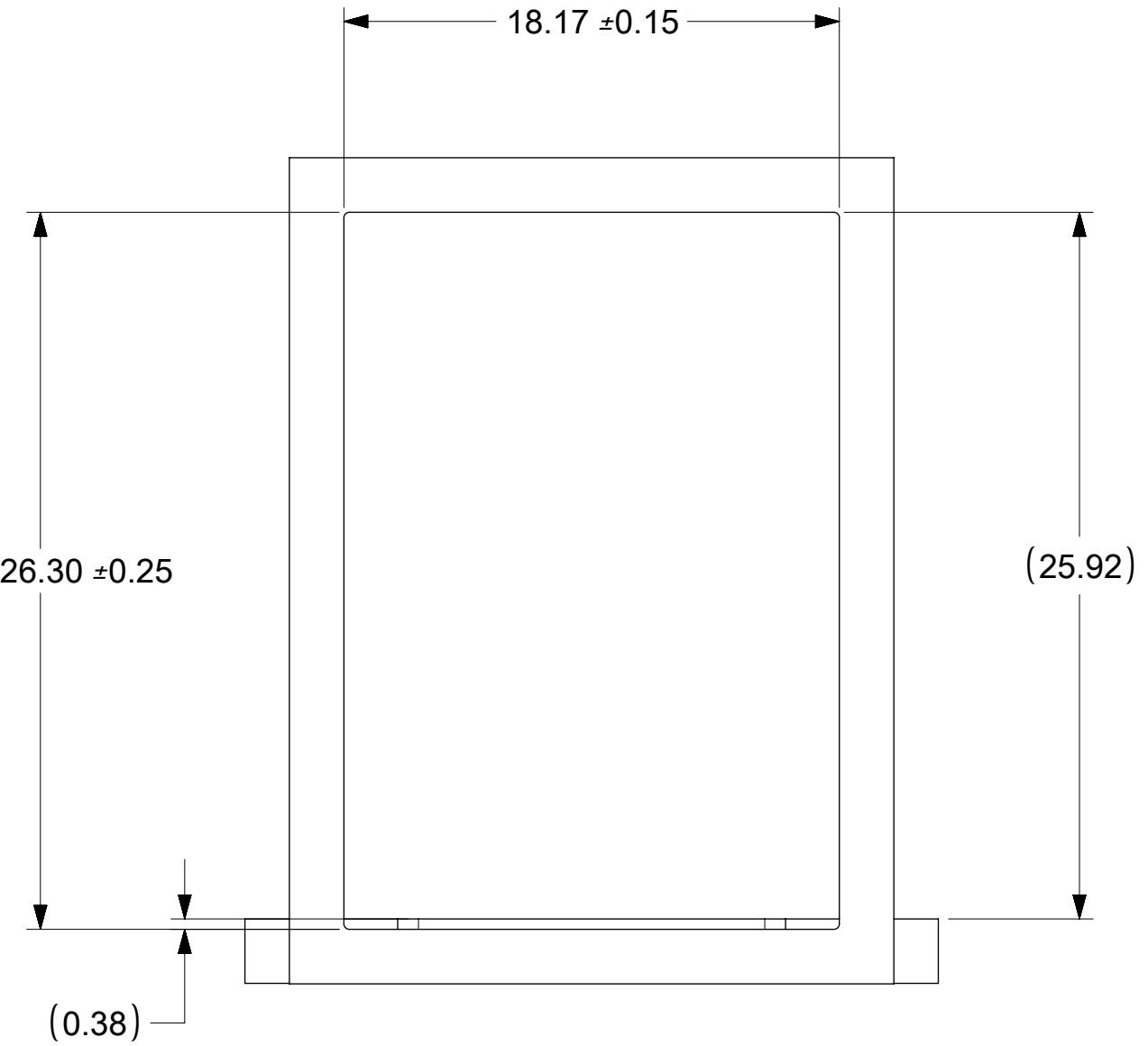
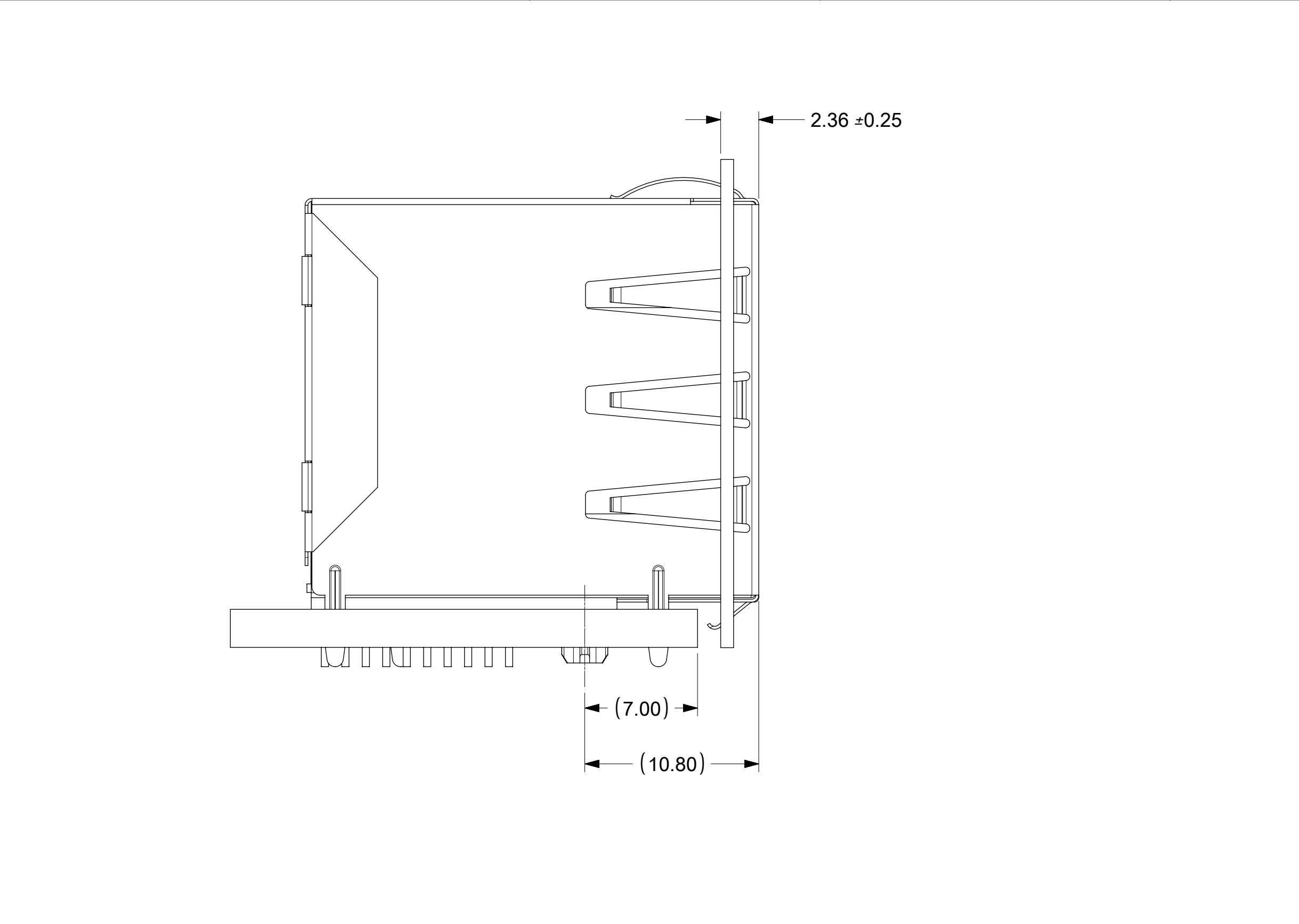
NOTES:

1. MATERIAL:
HOUSING: LCP, GLASS FILLED, UL94V-0, COLOR: BLACK
CONTACT BEAMS: COPPER ALLOY
SHIELD: COPPER ALLOY
PCB PINS: COPPER ALLOY
2. PLATING:
CONTACT BEAMS: 50 MICROINCHES MIN. GOLD AND OVER
150 MICROINCHES MIN NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-205659-1000
4. PACKAGING SPECIFICATION: 2047500021 PDD
5. MATE WITH: FCC COMPLIANT RJ45 CONNECTOR (PART 68.5)
6. APPLICATION SPECIFICATION: AS-205659-1000
7. COSMETIC SPECIFICATION: ES-46030-006
FRONT SURFACE: CLASS A
ALL OTHER SURFACES: CLASS C
8. MOLEX PART NUMBER 2056591001, SERIAL NUMBER AND TR ARE LOCATED IN AREA SHOWN.

FUNCTIONAL SYMBOLS	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: ADD GENERAL TOLERANCE		molex			
 = 0	mm		2:1							
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						2X1 NON-POE THRU-HOLE ASSEMBLY			
 = 0	ANGULAR TOL ± 1.0°									
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 639895		PRODUCT CUSTOMER DRAWING			
	3 PLACES		±		DRWN: AFENG02 2020/06/19					
	2 PLACES		± 0.13		CHK'D: KLANG 2020/06/22					
	1 PLACE		± 0.25		APPR: KLANG 2020/06/22		DOCUMENT NUMBER 2056591000			
	0 PLACES		±		INITIAL REVISION:					
					DRWN: RCARLSON 2017/08/03					
					APPR: KLANG 2017/11/15		DOC TYPE		DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				C-SIZE	205659	2056591001				1 OF 4



	12	11	10	9	8	7	6	
ELECTRIC CHARACTERISTIC				Condition		VALUE AT 25° C		Units
INSERTION LOSS				At 0.1 to 100 MHz		max -0.8		dB
				100 - 125 MHz		max -1.2		dB
RETURN LOSS				0.5 to 40 MHz		min -18		
				40 - 100 MHz		min -12+20 log(F/80MHz)		dB
OPEN CIRCUIT INDUCTANCE (OCL) 0° C TO 70° C				100 kHz / 0.1 V / 8mA DC		350		μH
TURN RATIO						1±2%		%
INSULATION RESISTANCE (Hipot)						2250kV DC 1mA 60s		
COMMON MODE TO DIFFERENTIAL MODE REJECTION				At 100 kHz – 100 MHz		min -35		dB
COMMON MODE TO COMMON MODE REJECTION				At 100 kHz – 100 MHz		min -30		dB
ANEXT				At 1 MHz -16 MHz		-57		dB
				At 16 MHz - 125 MHz		-38+20*log10(F/125MHz)		dB



RECOMMENDED PANEL
OPENING

	12	11	10	9	8	7	6
DOCUMENT STATUS				P1	RELEASE DATE	2020/06/22	17:05:31
FORMAT: moxier-01-prod-C	12	11	10	9	8	7	6
REVISION: J	12	11	10	9	8	7	6
DATE: 2020/1/14	12	11	10	9	8	7	6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD GENERAL TOLERANCE EC NO: 639895 DRWN: AFENG02 2020/06/19 CHK'D: KLANG 2020/06/22 APPR: KLANG 2020/06/22 INITIAL REVISION: DRWN: RCARLSON 2017/08/03 APPR: KLANG 2017/11/15					molex 2X1 NON-POE THRU-HOLE ASSEMBLY							
	mm		4:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL		±	1.0 °						PRODUCT CUSTOMER DRAWING							
	4 PLACES		±														
	3 PLACES		±							DOCUMENT NUMBER 2056591000 DOC TYPE PSD DOC PART 000 REVISION B5							
	2 PLACES		±	0.13													
	1 PLACE		±	0.25													
	0 PLACES		±														
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						C-SIZE		205659		2056591001				3 OF 4			

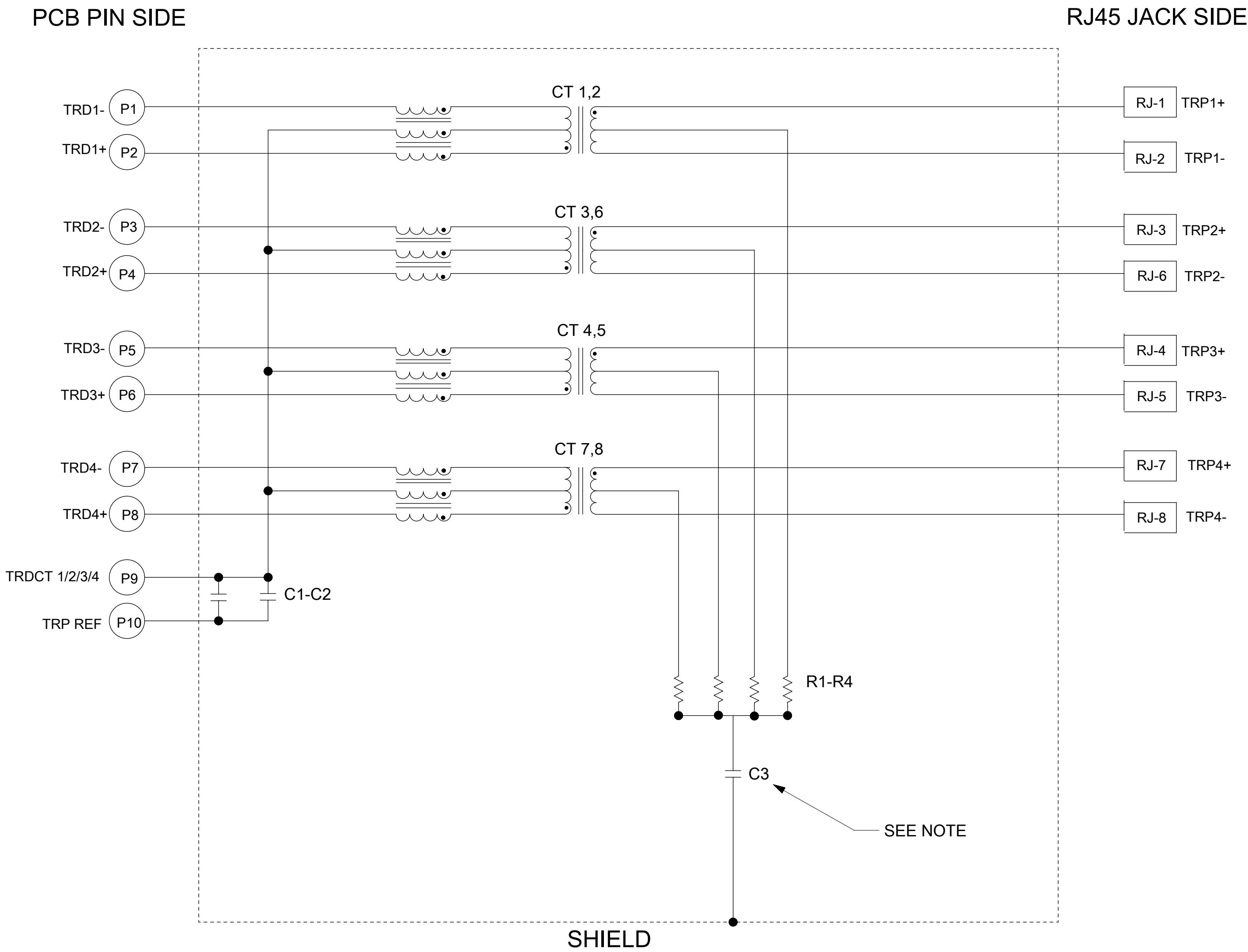
molex

2X1 NON-POE THRU-HOLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2056591000	PSD	000	B5

ELECTRICAL SCHEMATIC



NOTE:

CAPACITOR C3 IS COMMON
TO TOP AND BOTTOM PORT

FUNCTIONAL SYMBOLS	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: ADD GENERAL TOLERANCE			molex						
	mm		1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)					2X1 NON-POE THRU-HOLE ASSEMBLY								
	ANGULAR TOL ± 1.0 °													
	4 PLACES		±		EC NO: 639895		PRODUCT CUSTOMER DRAWING							
	3 PLACES		±		DRWN: AFENG02 2020/06/19									
	2 PLACES		± 0.13		CHK'D: KLANG 2020/06/22									
	DIVISIONAL SYMBOLS	1 PLACE		± 0.25		APPR: KLANG 2020/06/22		DOCUMENT NUMBER 2056591000 DOC TYPE PSD DOC PART 000 REVISION B5						
		0 PLACES		±		INITIAL REVISION:								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DRWN: RCARLSON 2017/08/03									
					APPR: KLANG 2017/11/15									
					SERIES 205659									
					THIRD ANGLE PROJECTION		DRAWING C-SIZE		MATERIAL NUMBER 2056591001		CUSTOMER		SHEET NUMBER 4 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/22	17:05:31
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