

**NOTES:**

1. MATERIAL:  
HOUSING: POLYESTER, GLASS FILLED, UL94V-0, COLOR: BLACK  
CONTACT BEAMS: COPPER ALLOY, SHIELD: BRASS, PCB PINS: COPPER ALLOY.
2. PLATING:  
CONTACT BEAMS: 50 MICRINCHES MIN. GOLD AND OVER 150 MICRINCHES MIN NICKEL UNDERPLATE  
SHIELD: NICKEL WITH SELECT TIN DIP ON GROUND TABS  
PCB PINS: TIN DIP
3. PRODUCT SPECIFICATION: PS-46030-003
4. PRODUCT IS TRAY PACKAGED PER PACKAGING SPECIFICATION: PK-46030-001.
5. CONFORMS TO FCC REGULATION PART 68.5 SPECIFICATION FOR MODULAR JACKS.
6. MOLEX PART NUMBER, SERIAL NUMBER, MANUFACTURING DATE CODE AND TRACEABILITY MARK ARE LOCATED IN AREA SHOWN. MANUFACTURING DATE CODE IS 3 DIGIT JULIAN DAY AND 1 DIGIT YEAR (EXAMPLE: 0337 IS FEBRUARY 2, 2007).
7. SHIELD SURFACE FINISHES (CLASS A, B OR C) COMPLY WITH THE REQUIREMENTS FOR VISUAL ACCEPTANCE PER COSMETIC SPECIFICATION ES-46030-006.

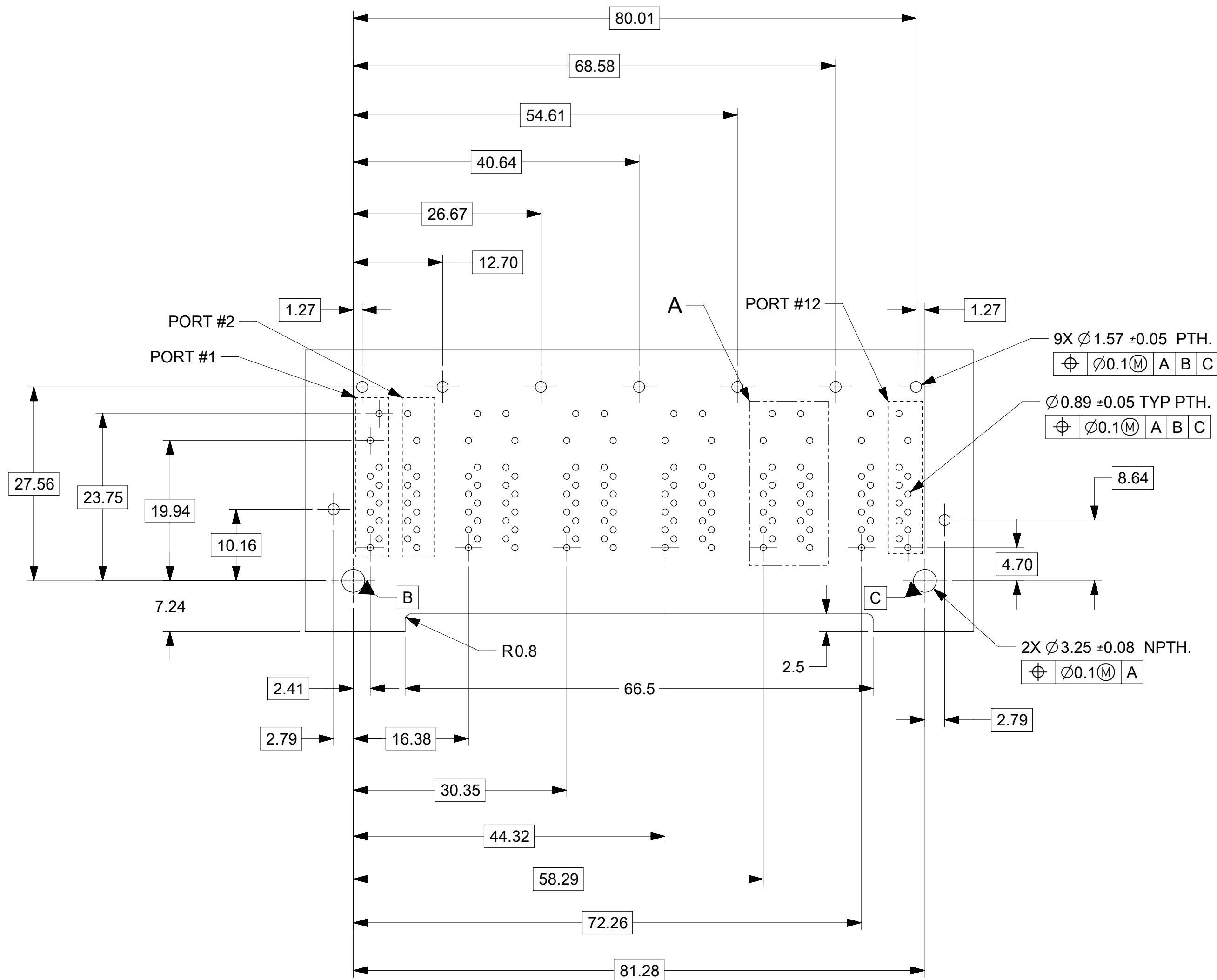
PART NUMBER	DIM A
463190003	2.92
463190004	3.56

FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: 1.ADD RECOMMENDED KEEP OUT ZONE VIEW SEE SHEET 3. 2.REMOVE OBSOLETE PART NUMBER 463190002.	
	DIMENSION UNITS	SCALE	EC NO: 638216	
	mm	2:1	DRWN: GWU15	2020/04/10
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: KLANG	2020/05/26
ANGULAR TOL ± 0.5°		APPR: KLANG	2020/05/26	
DIVISIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	4 PLACES ±	INITIAL REVISION:		
	3 PLACES ±	DRWN: RCARLSON	2016/11/23	
	2 PLACES ± 0.13	APPR: KLANG	2017/01/09	
	1 PLACE ± 0.25			
0 PLACES ±				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	46319
DOCUMENT STATUS		DOCUMENT NUMBER	CUSTOMER	SHEET NUMBER
P1 RELEASE DATE 2020/05/26 14:04:50		SD-46319-002	GENERAL MARKET	1 OF 3
		DOC TYPE	DOC PART	REVISION
		PSD	000	A3

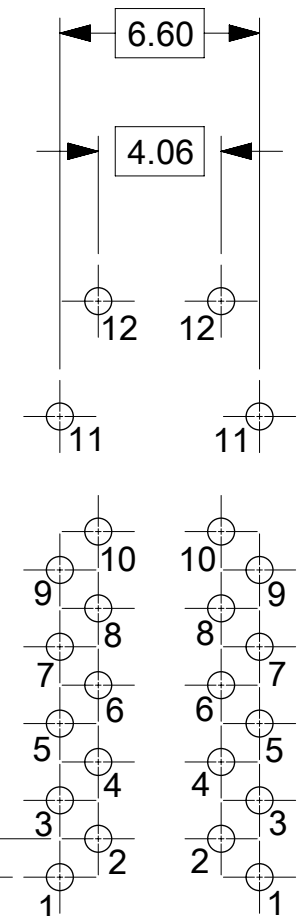
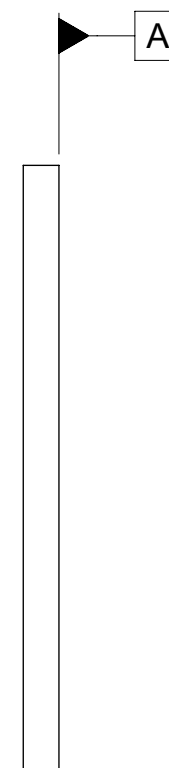
**molex**

2X6 MAGNETIC JACK  
POE PLUS FUSED W/O DIODES (MPF)

PRODUCT CUSTOMER DRAWING



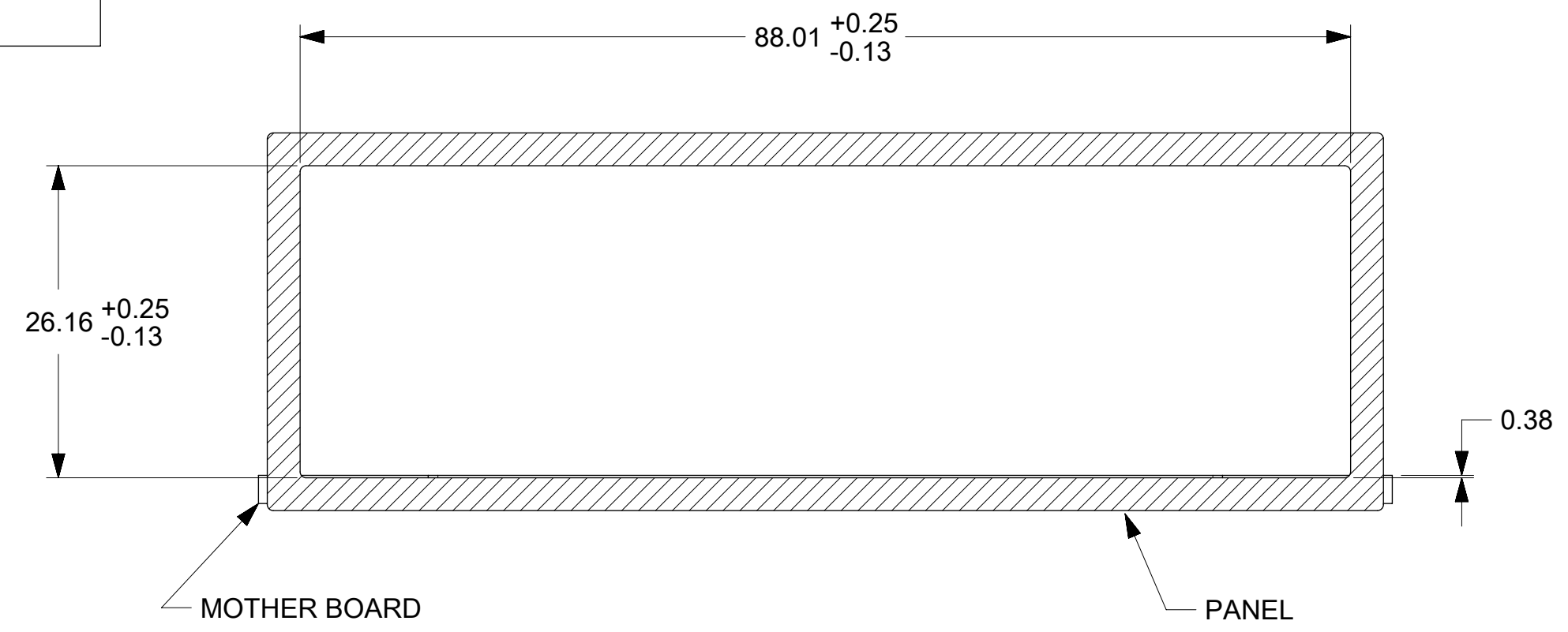
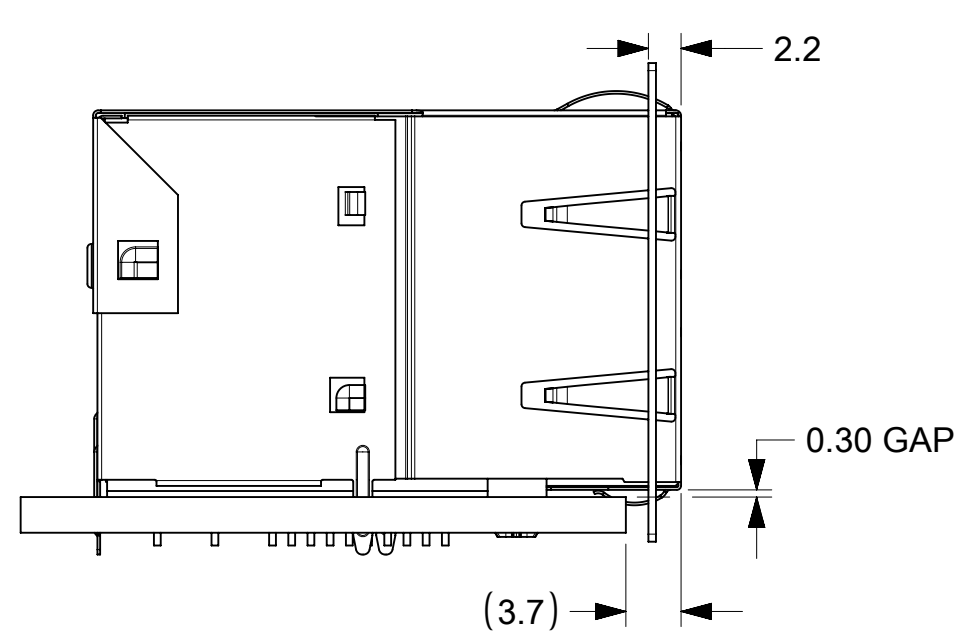
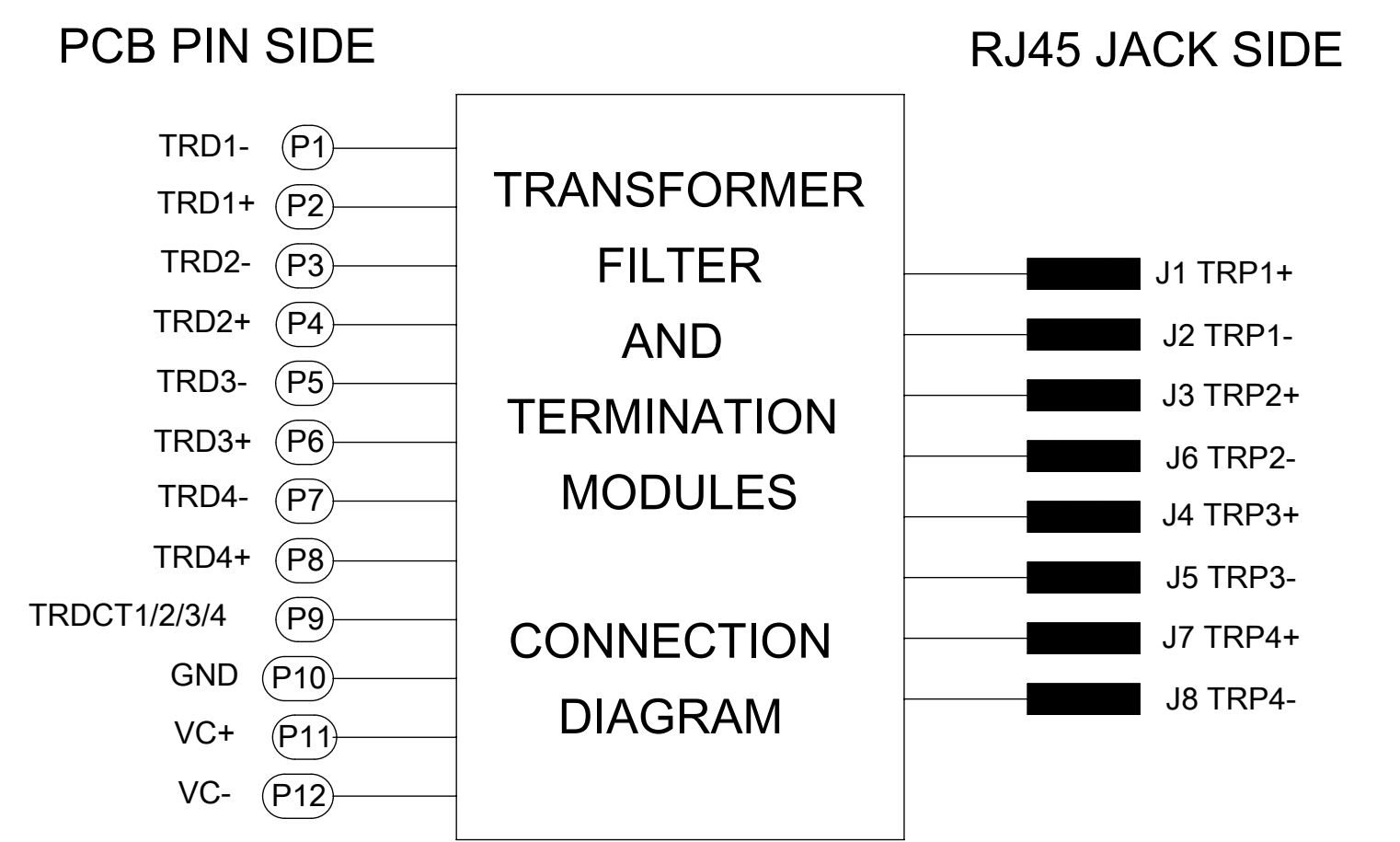
SUGGESTED PCB LAYOUT  
COMPONENT SIDE



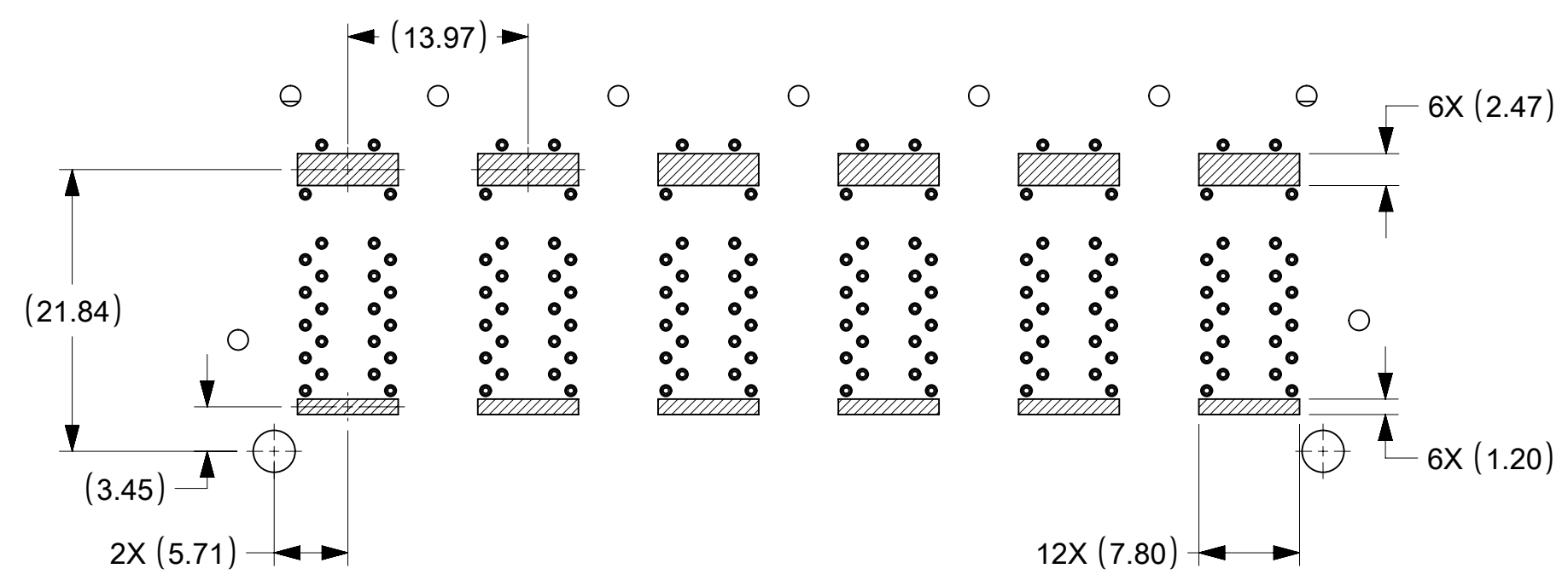
DETAIL A  
SCALE 4:1  
PIN-OUT DETAIL

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	$\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	DIMENSION UNITS <b>mm</b>	SCALE <b>2:1</b>	CURRENT REV DESC: 1.ADD RECOMMENDED KEEP OUT ZONE VIEW SEE SHEET 3. 2.REMOVE OBSOLETE PART NUMBER 463190002.							
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 0.5^\circ$		EC NO: 638216 DRWN: GWU15 APPR: KLANG			2020/04/10 2020/05/26 2020/05/26		2X6 MAGNETIC JACK POE PLUS FUSED W/O DIODES (MPF)			
4 PLACES $\pm$ 3 PLACES $\pm$ 2 PLACES $\pm 0.13$ 1 PLACE $\pm 0.25$ 0 PLACES $\pm$			INITIAL REVISION: DRWN: RCARLSON APPR: KLANG			2016/11/23 2017/01/09		PRODUCT CUSTOMER DRAWING			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING <b>C-SIZE</b>		SERIES <b>46319</b>		DOCUMENT NUMBER <b>SD-46319-002</b>		
			SHEET NUMBER <b>2 OF 3</b>		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		DOC TYPE <b>PSD</b>		
							DOC PART <b>000</b>		REVISION <b>A3</b>		

ELECTRICAL CHARACTERISTIC		VALUE AT 25°C
INSERTION LOSS	1 - 40 MHz	0.5 dB MAX
	40 - 100 MHz	1.0 dB MAX
	100 - 125 MHz	1.3 dB MAX
RETURN LOSS	1 - 40 MHz	18 dB MIN
	40 - 100 MHz	12 dB MIN
	100 - 125 MHz	10 dB MIN
OPEN CIRCUIT INDUCTANCE (OCL) 0°C TO 70°C	100kHz / 0.1V / 8mA DC	350 μH MIN
	100kHz / 0.1V / 19mA DC	150 μH MIN
TURN RATIO		1.00 ±0.02
HI-POT		2250 VDC
DC HANDLING CAPABILITY FROM CENTER TAP		720 mA CONTINUOUS
		1.2 A FOR 200 MILLISECONDS
COMMON MODE TO DIFFERENTIAL MODE	100 kHz - 40 MHz	-50 dB MAX
	40 - 100 MHz	-40 dB MAX
	100 - 200 MHz	-35 dB MAX
COMMON MODE TO COMMON MODE	100 kHz - 40 MHz	-50 dB MAX
	40 - 100 MHz	-40 dB MAX
	100 - 200 MHz	-33 dB MAX
	200 - 300 MHz	-25 dB MAX
	300 - 500 MHz	-20 dB MAX



**SUGGESTED PANEL OPENING**



**RECOMMENDED KEEP OUT ZONE**

NOTE: THE SHADED AREA OF CUSTOMER PCB IS RECOMMENDED TO BE CLEAR OFF ANY CIRCUIT TRACE, VIA HOLE OR COMPONENT PAD.

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	DIMENSION UNITS	SCALE					
$\nabla_A = 0$	mm	2:1	EC NO: 638216		2020/04/10		
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: GWU15		2020/05/26		
$\nabla_P = 0$	ANGULAR TOL ± 0.5°		CHK'D: KLANG		2020/05/26		
DIVISIONAL SYMBOLS	4 PLACES	±	APPR: KLANG		2020/05/26		
	3 PLACES	±	INITIAL REVISION:		2016/11/23		
	2 PLACES	± 0.13	DRWN: RCARLSON		2017/01/09		
	1 PLACE	± 0.25	APPR: KLANG		2017/01/09		
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION			
DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE   DOC PART   REVISION	
C-SIZE		46319		SD-46319-002		PSD 000 A3	
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
SEE TABLE		GENERAL MARKET		3 OF 3			