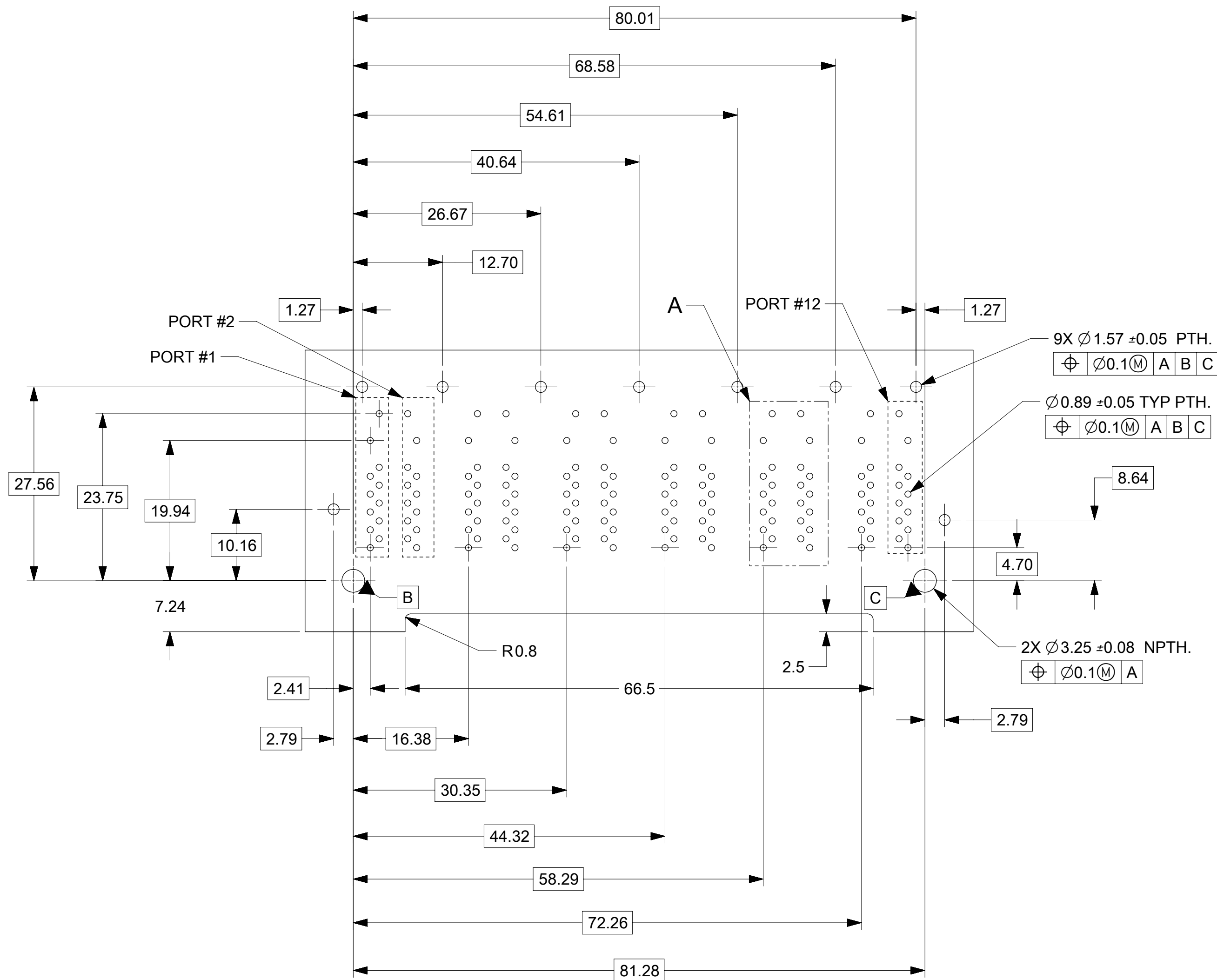


NOTES:

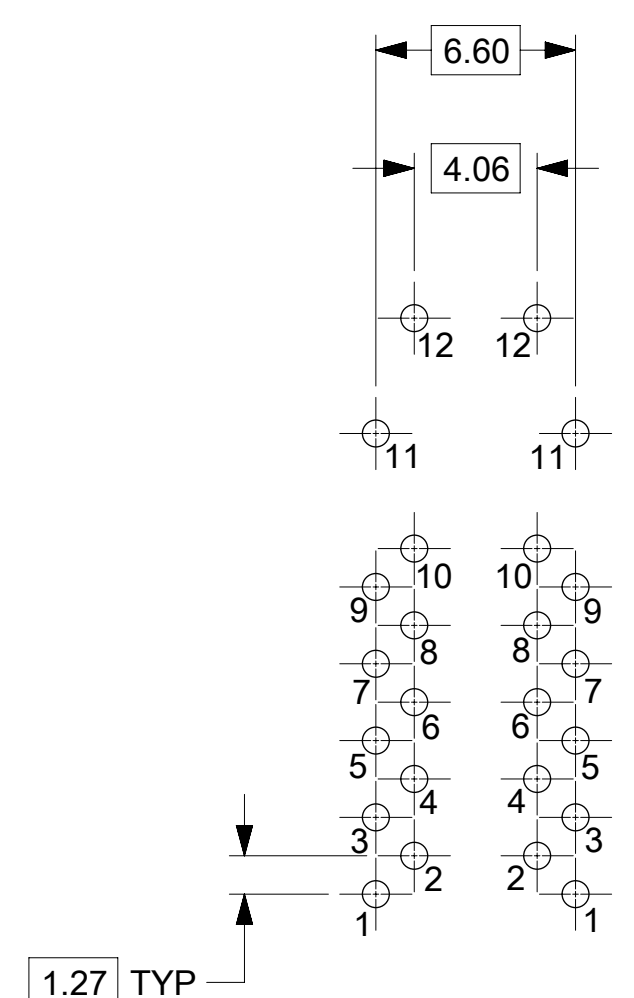
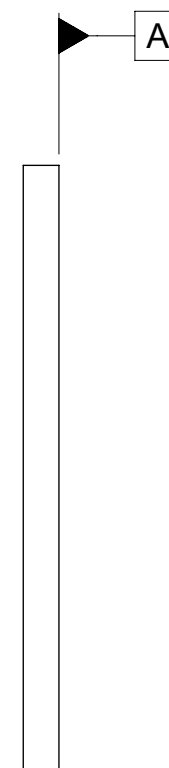
- MATERIAL:  
HOUSING: POLYESTER, GLASS FILLED, UL94V-0, COLOR: BLACK  
CONTACT BEAMS: COPPER ALLOY, SHIELD: BRASS, PCB PINS: COPPER ALLOY.
- PLATING:  
CONTACT BEAMS: 50 MICRINCHES MIN. GOLD AND OVER 150 MICRINCHES MIN NICKEL UNDERPLATE  
SHIELD: NICKEL WITH SELECT TIN DIP ON GROUND TABS  
PCB PINS: TIN DIP
- PRODUCT SPECIFICATION: PS-46030-003
- PRODUCT IS TRAY PACKAGED PER PACKAGING SPECIFICATION: PK-46030-001.
- CONFORMS TO FCC REGULATION PART 68.5 SPECIFICATION FOR MODULAR JACKS.
- 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).
- 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	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							2X6 MAGNETIC JACK POE PLUS FUSED W/O DIODES (MPF)		
$\nabla_A = 0$	mm	2:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		PRODUCT CUSTOMER DRAWING						
$\nabla_E = 0$	ANGULAR TOL $\pm 0.5^\circ$		4 PLACES $\pm$		EC NO: 638216		2020/04/10		DOCUMENT NUMBER		
$\nabla_P = 0$	3 PLACES $\pm$		2 PLACES $\pm 0.13$		DRWN: GWU15		2020/05/26		DOC TYPE   DOC PART   REVISION		
DIVISIONAL SYMBOLS	1 PLACE $\pm 0.25$		0 PLACES $\pm$		APPR: KLANG		2020/05/26		SD-46319-002		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
				C-SIZE		46319		SEE TABLE		GENERAL MARKET	
										SHEET NUMBER	
										1 OF 3	



SUGGESTED PCB LAYOUT  
COMPONENT SIDE



DETAIL A  
SCALE 4:1  
PIN-OUT DETAIL

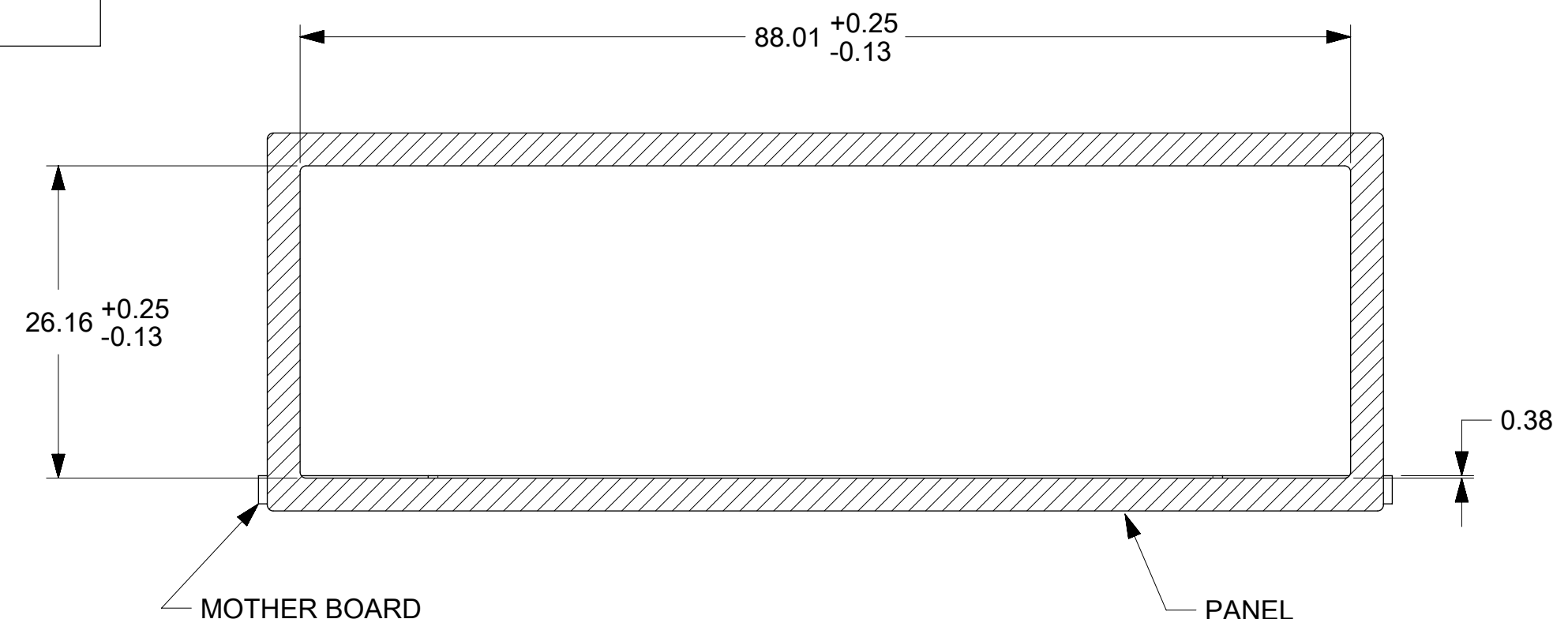
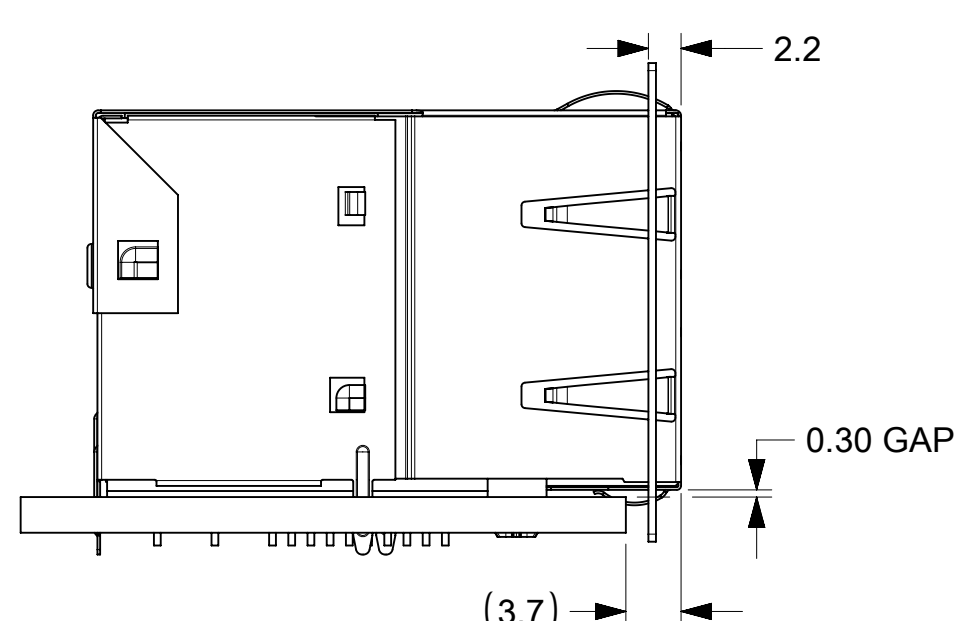
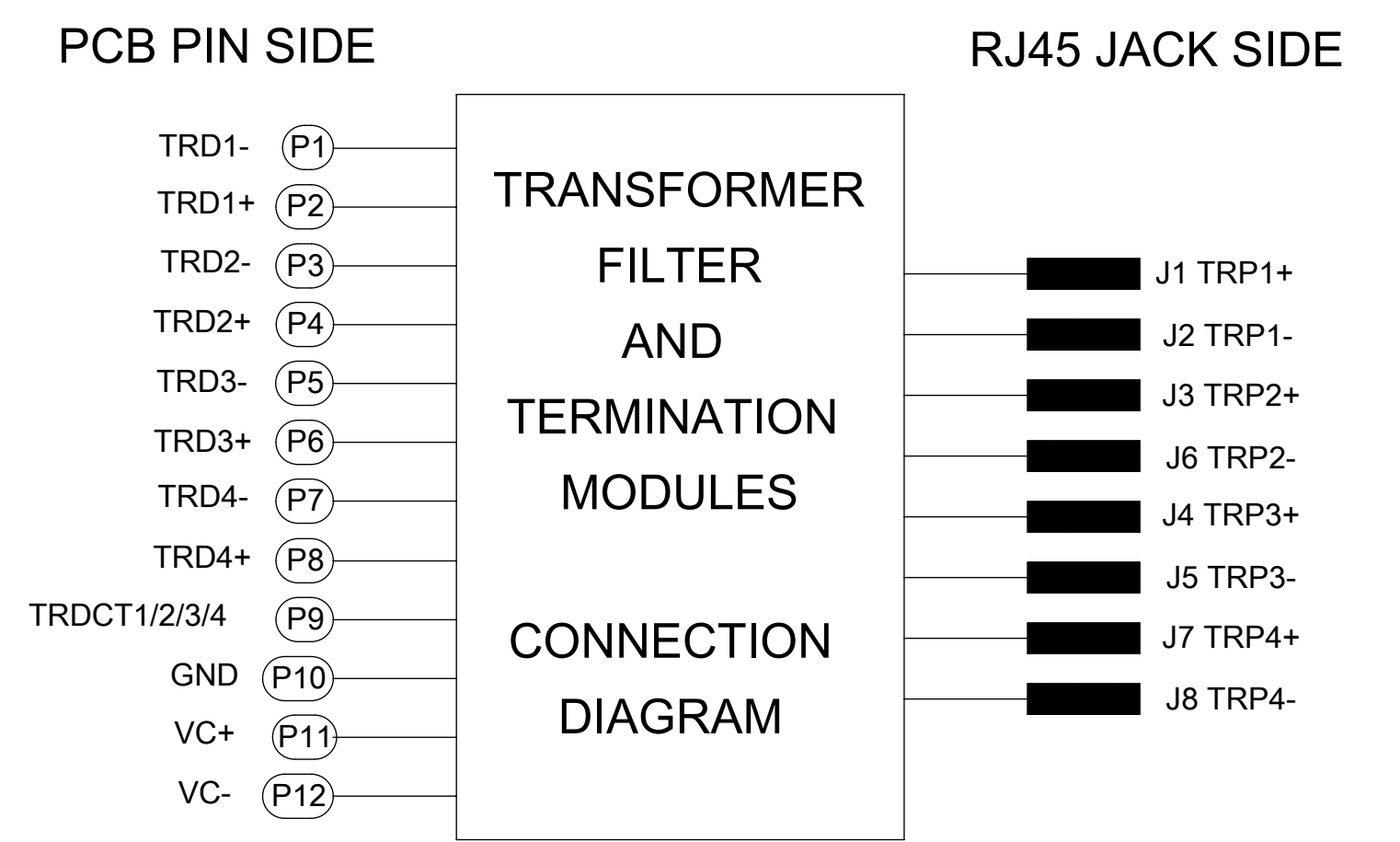
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS	SCALE	CURRENT REV DESC: 1.ADD RECOMMENDED KEEP OUT ZONE VIEW SEE SHEET 3. 2.REMOVE OBSOLETE PART NUMBER 463190002.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

**molex**

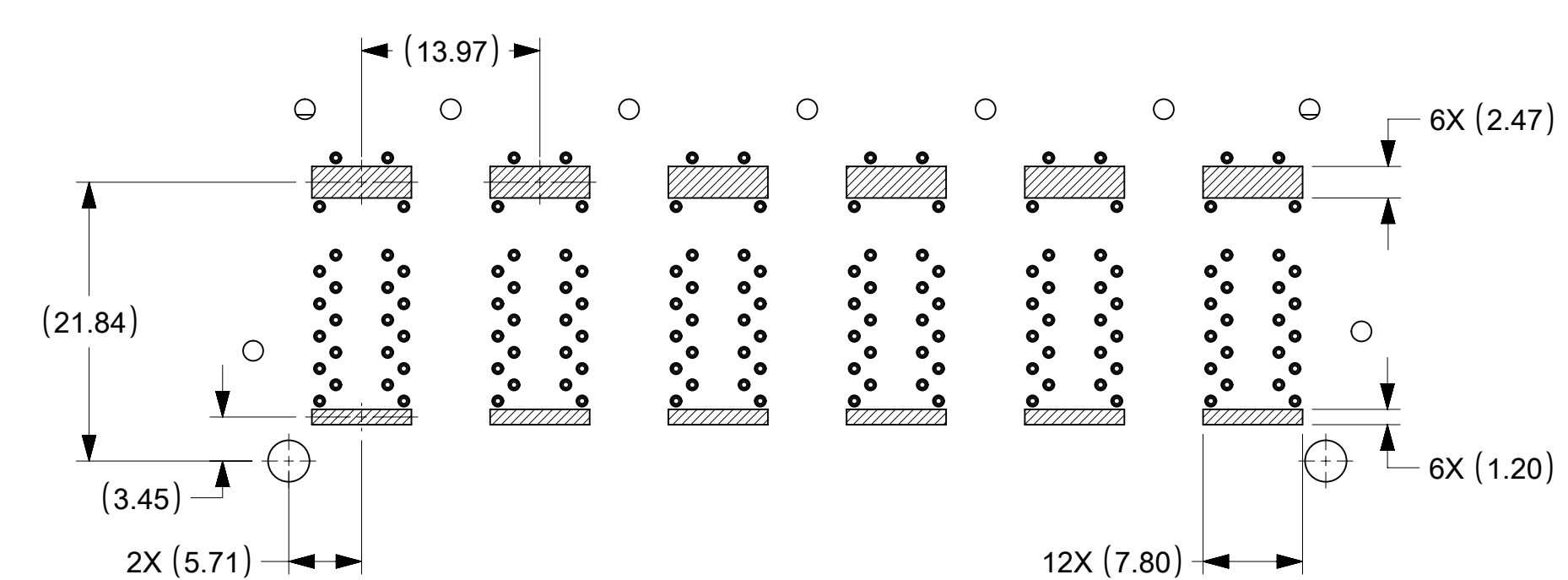
2X6 MAGNETIC JACK  
POE PLUS FUSED W/O DIODES (MPF)

PRODUCT CUSTOMER DRAWING

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.

FUNCTIONAL SYMBOLS	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.		<b>molex</b>		
	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		MATERIAL NUMBER		CUSTOMER	
C-SIZE		46319		SEE TABLE		GENERAL MARKET	
DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
SD-46319-002		PSD		000		A3	
DOCUMENT STATUS		RELEASE DATE		SHEET NUMBER			
P1		2020/05/26 14:04:50		3 OF 3			