


NOTES: UNLESS OTHERWISE SPECIFIED

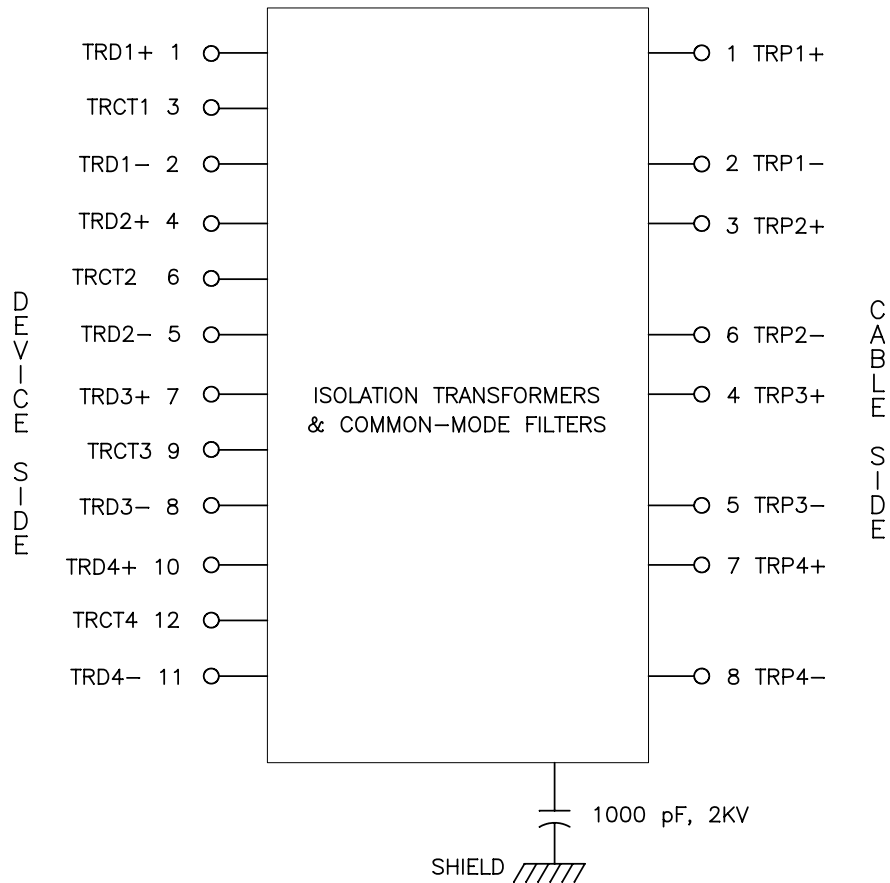
1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT.
RoHS-6 	ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.

2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
4. CONTACTS UNDERPLATE: 50 MICROINCHES DUCTILE NICKEL.
5. CONTACTS PLATING: 50 MICRO-INCH GOLD PLATING.
6. SOLDER TAIL PLATING MATERIAL: 200-500 μINCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
8. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
9. PCB PLATING: EG.
10. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
11. OPERATING TEMPERATURE: 0°C TO +70°C
12. STORAGE TEMPERATURE: -20°C TO +125°C
13. JEDEC MOISTURE: LEVEL 1.
14. REVISION: MX1,MX2, ARE PRELIMINARY.

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,2X8,10G,4C,PF	PS-2629.007-C	1	JT5-2853NL	M10

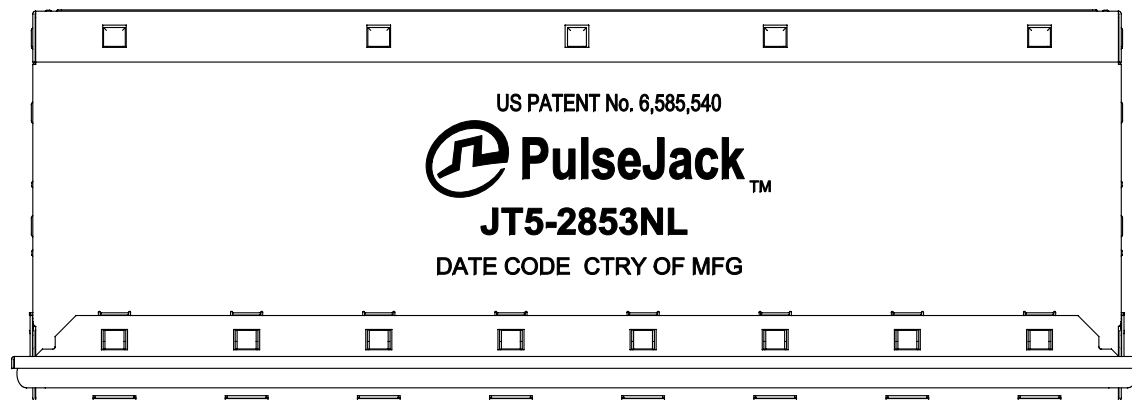


SCHEMATIC (EACH PORT)

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

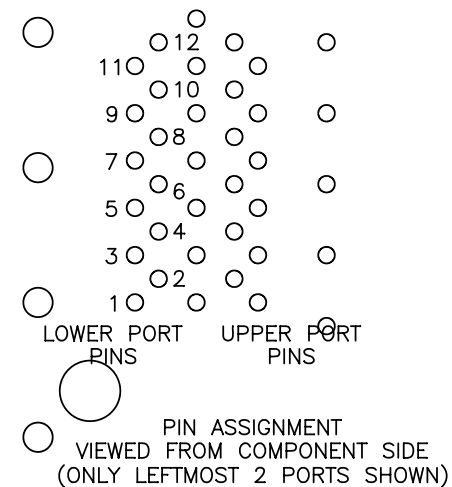
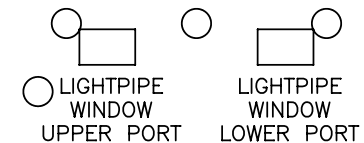
PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C TO +70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–400 MHz	
	–3.0 dB MAX	–2.0 dB MAX (–1.4 dB TYP)	
RETURN LOSS (Z OUT = 100 OHM ± 1%)	1–100 MHz	100 MHz–500 MHz	
	–22 dB MIN	–22 + 20.75*LOG (f/100)	
INDUCTANCE (OCL)	180 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1–100 MHz	100–500 MHz	
	–28 dB MIN	–19 dB MIN	
COMMON MODE REJECTION RATIO	1–40 MHz	40–100 MHz	100–500 MHz
	–30 dB MIN	–28 dB MIN	–26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1–250 MHz	250–500 MHz	
	–30 dB MIN	–22 dB MIN	
CURRENT CARRYING CAPABILITY, RJ45 PINS 1–8	500 mA MAX		
INPUT – OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.



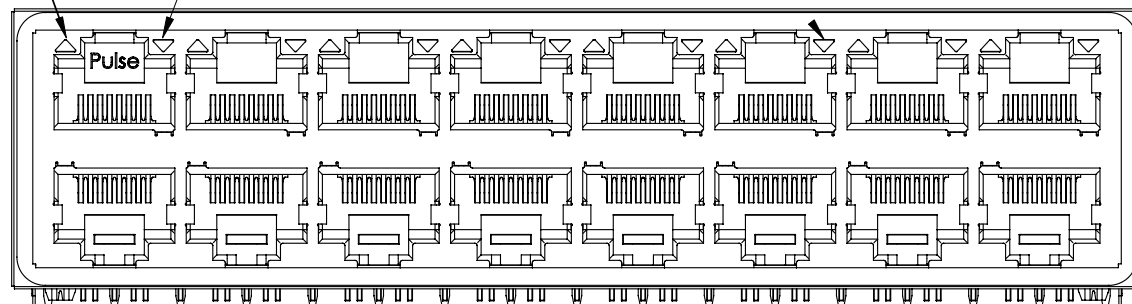
PIN ASSIGNMENT

- | | |
|----|------|
| 1 | TD1+ |
| 2 | TD1- |
| 3 | CT1 |
| 4 | TD2+ |
| 5 | TD2- |
| 6 | CT2 |
| 7 | TD3+ |
| 8 | TD3- |
| 9 | CT3 |
| 10 | TD4+ |
| 11 | TD4- |
| 12 | CT4 |

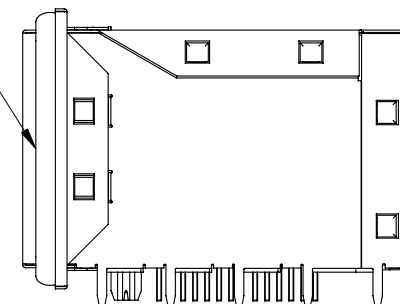


UPPER PORT LED

LOWER PORT LED



EMI GASKET



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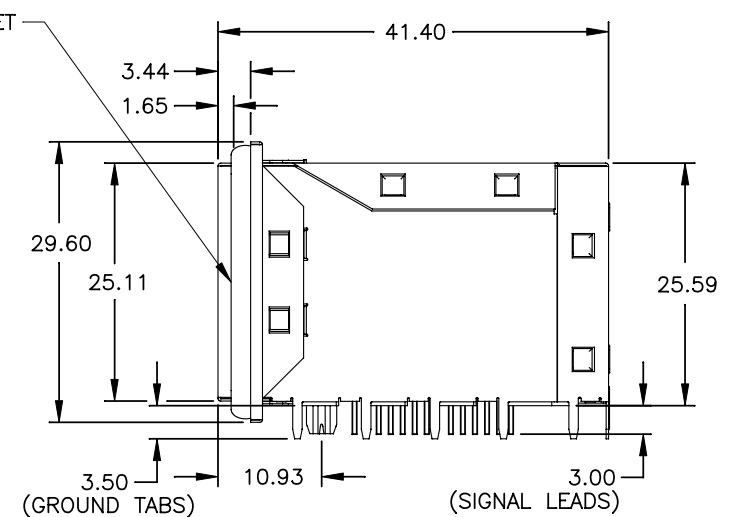
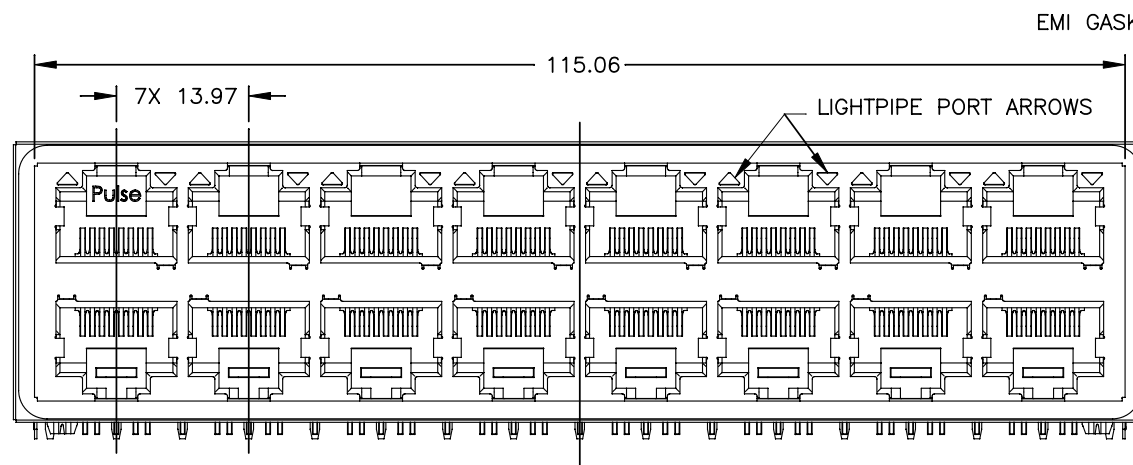
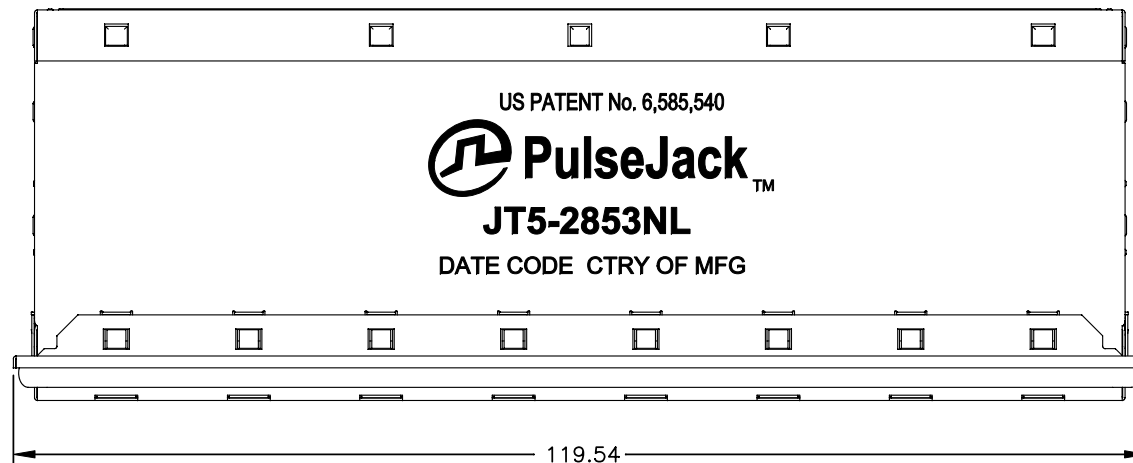
PRODUCT DESCRIPTION
CONN,RJ45,2X8,10G,4C,PF

PS DRAWING
PS-2629.007-C

SHEET:
3

DWG. NO./ PART NO.
JT5-2853NL

REV.
M10

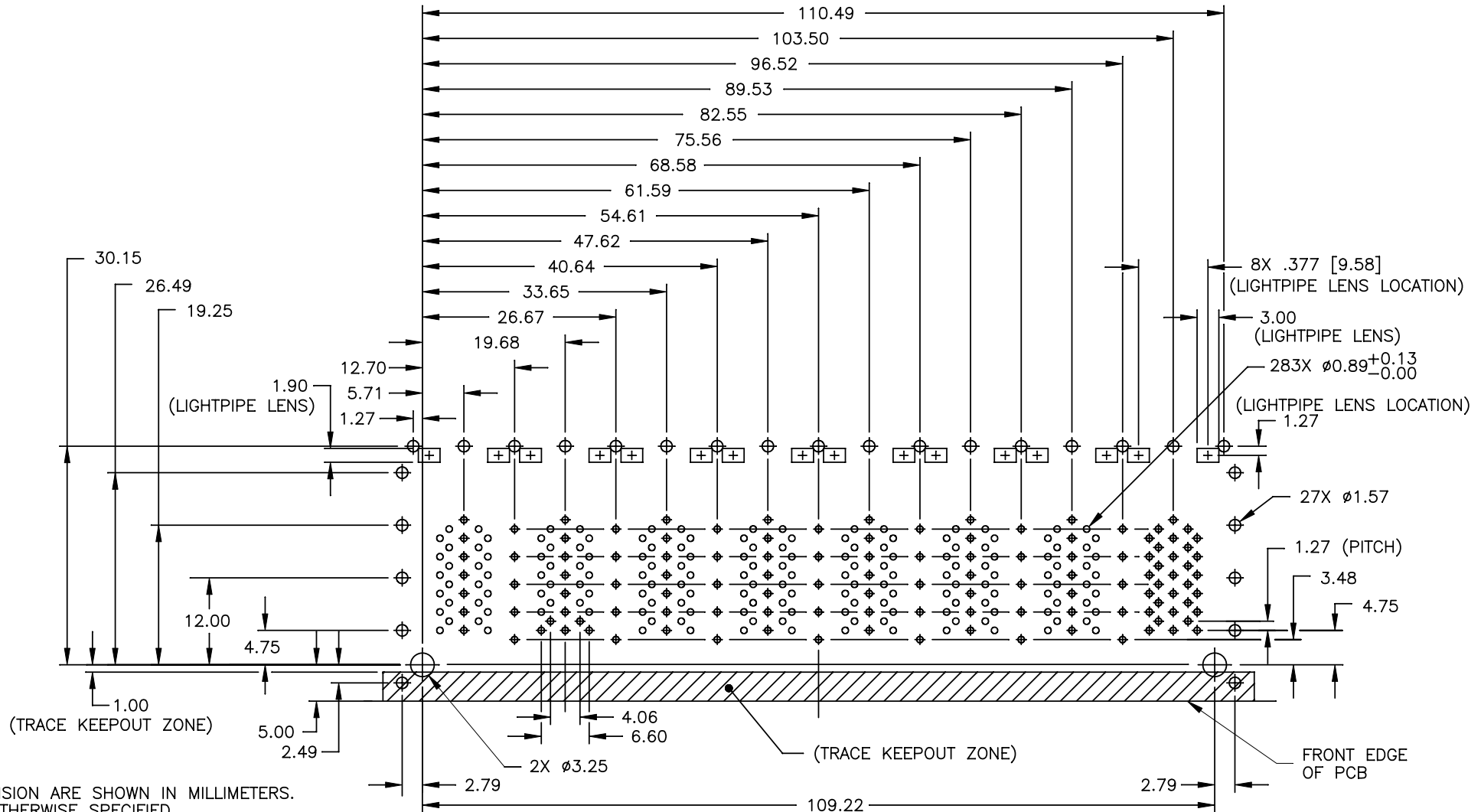


ALL DIMENSION ARE SHOWN IN MILLIMETERS.
UNLESS OTHERWISE SPECIFIED,
THE FOLLOWING TOLERANCES APPLY:

X.XX = ± 0.25

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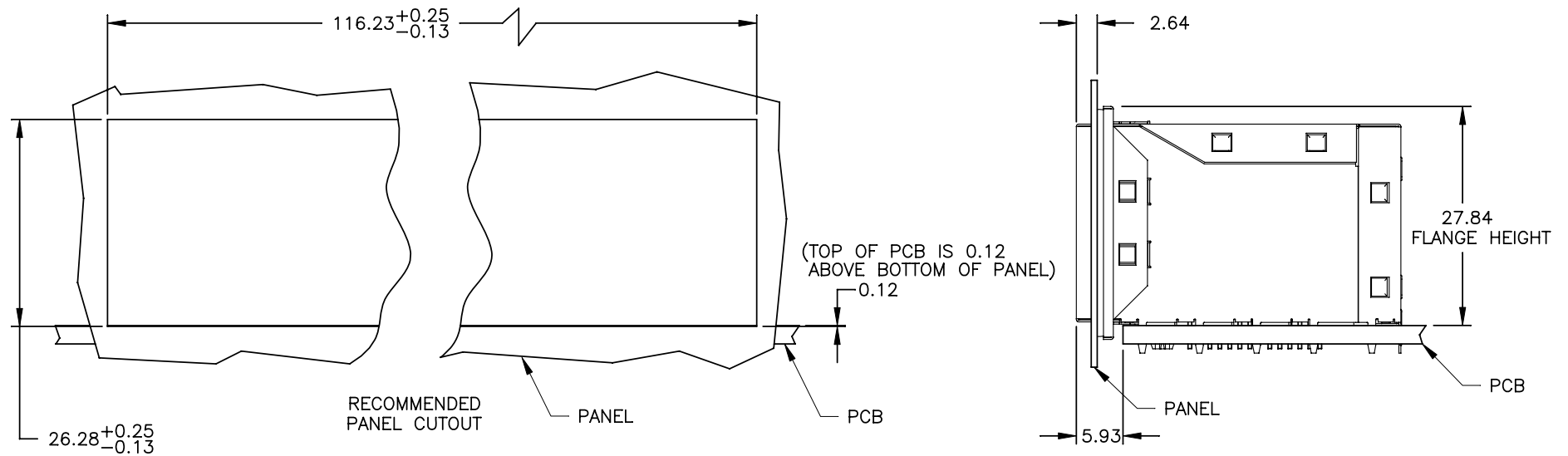


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SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

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Mouser Electronics

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