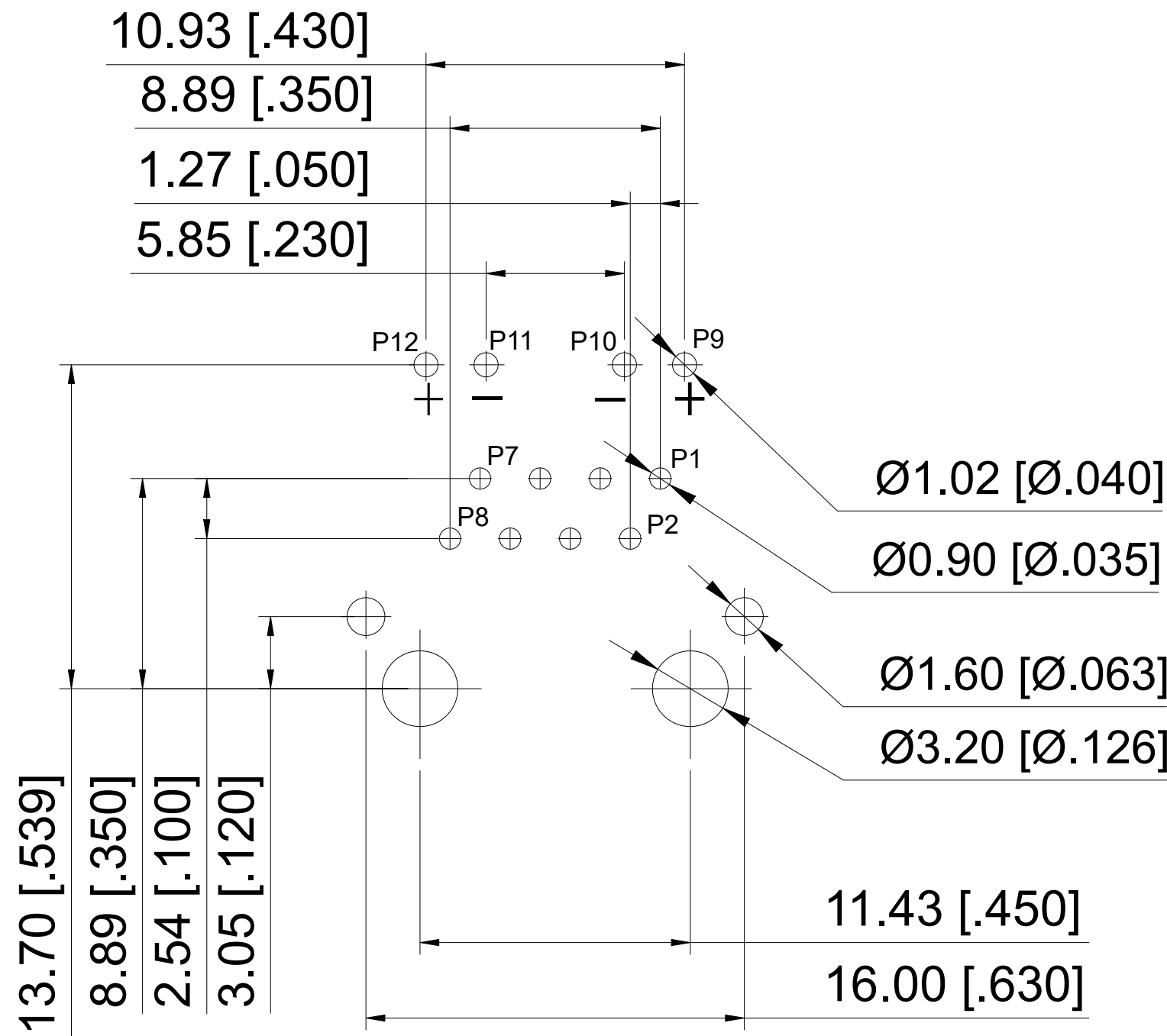
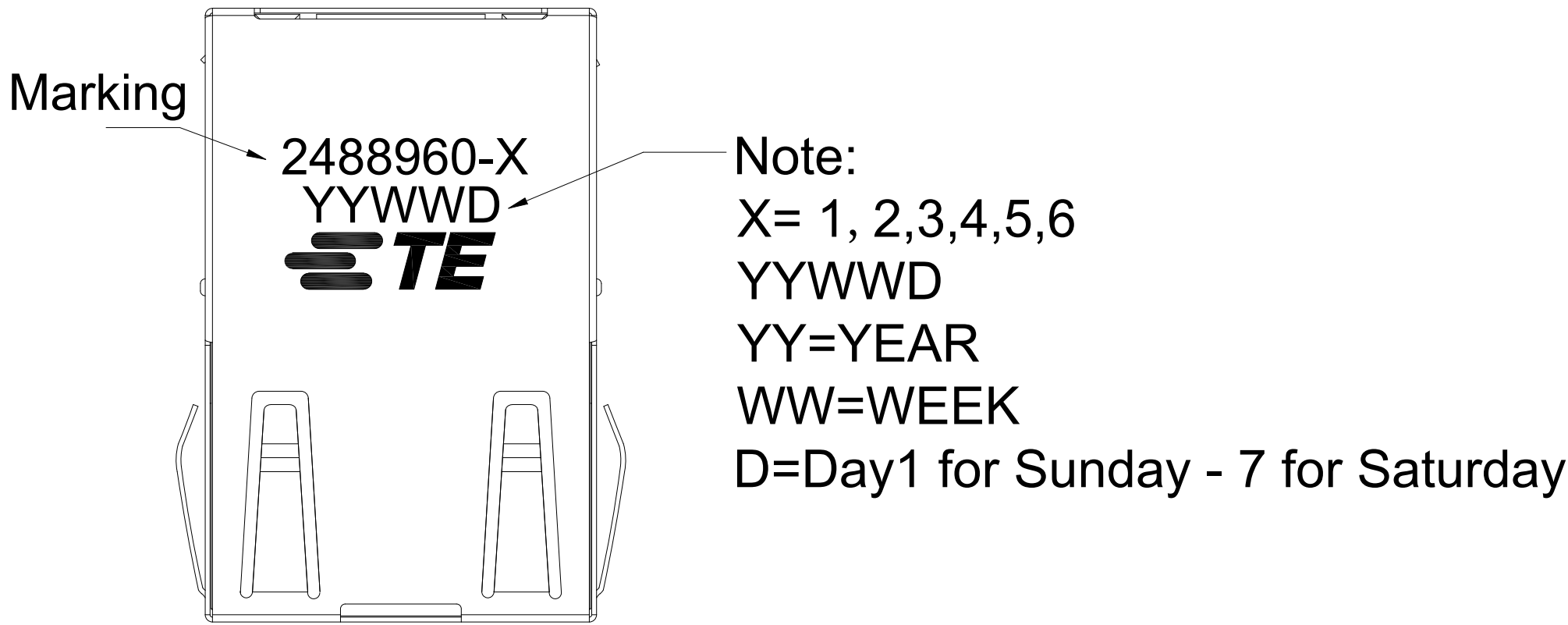
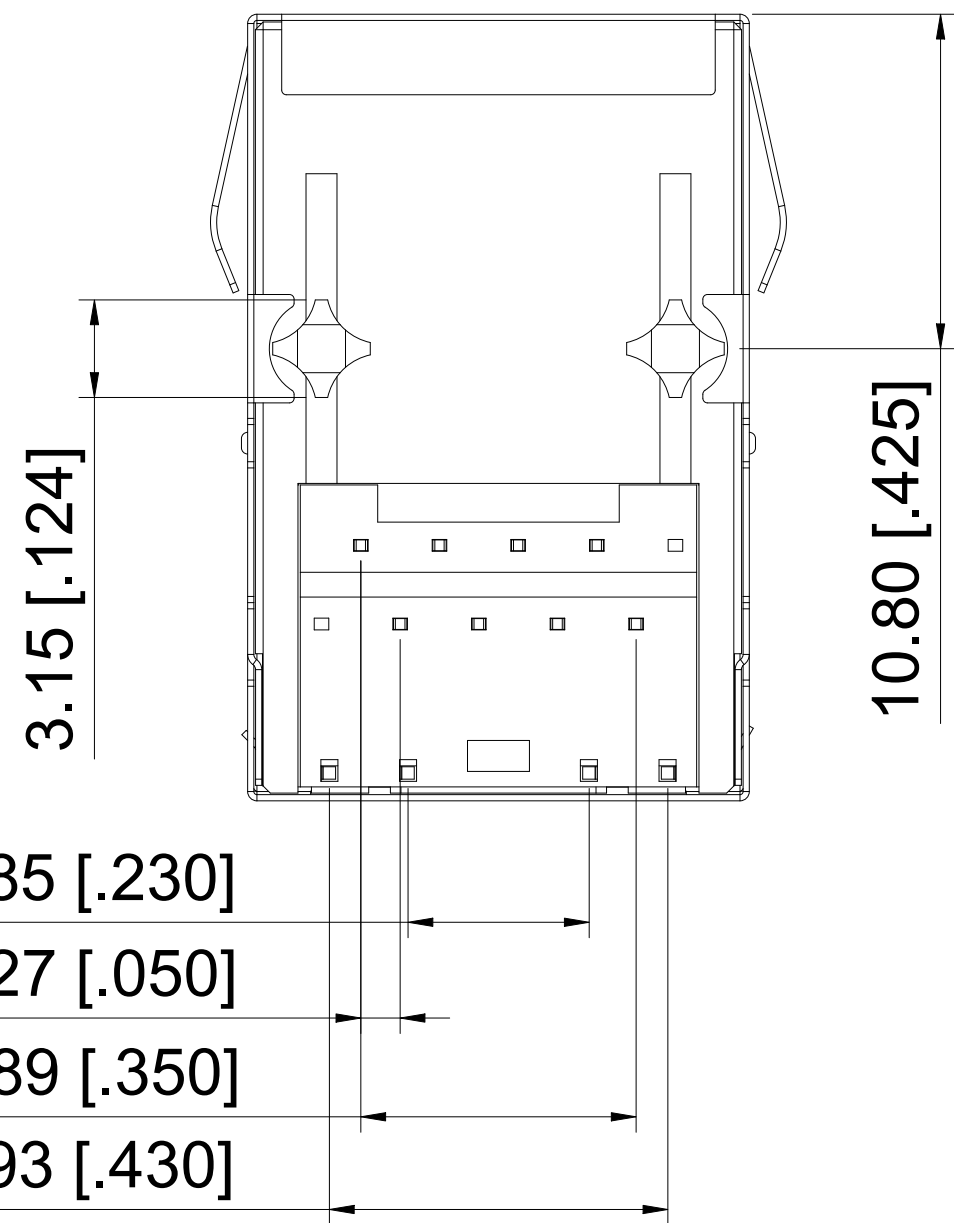
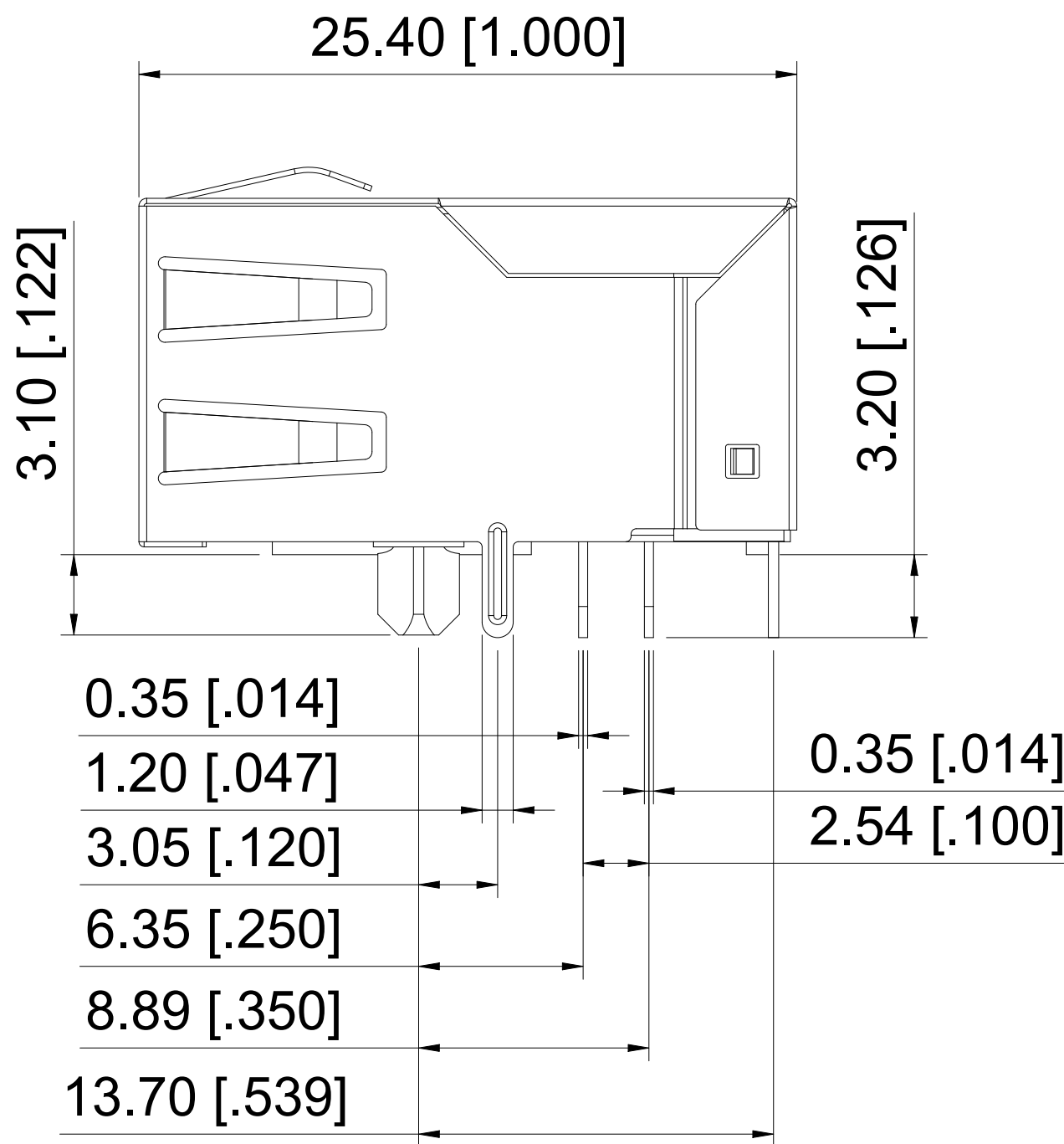
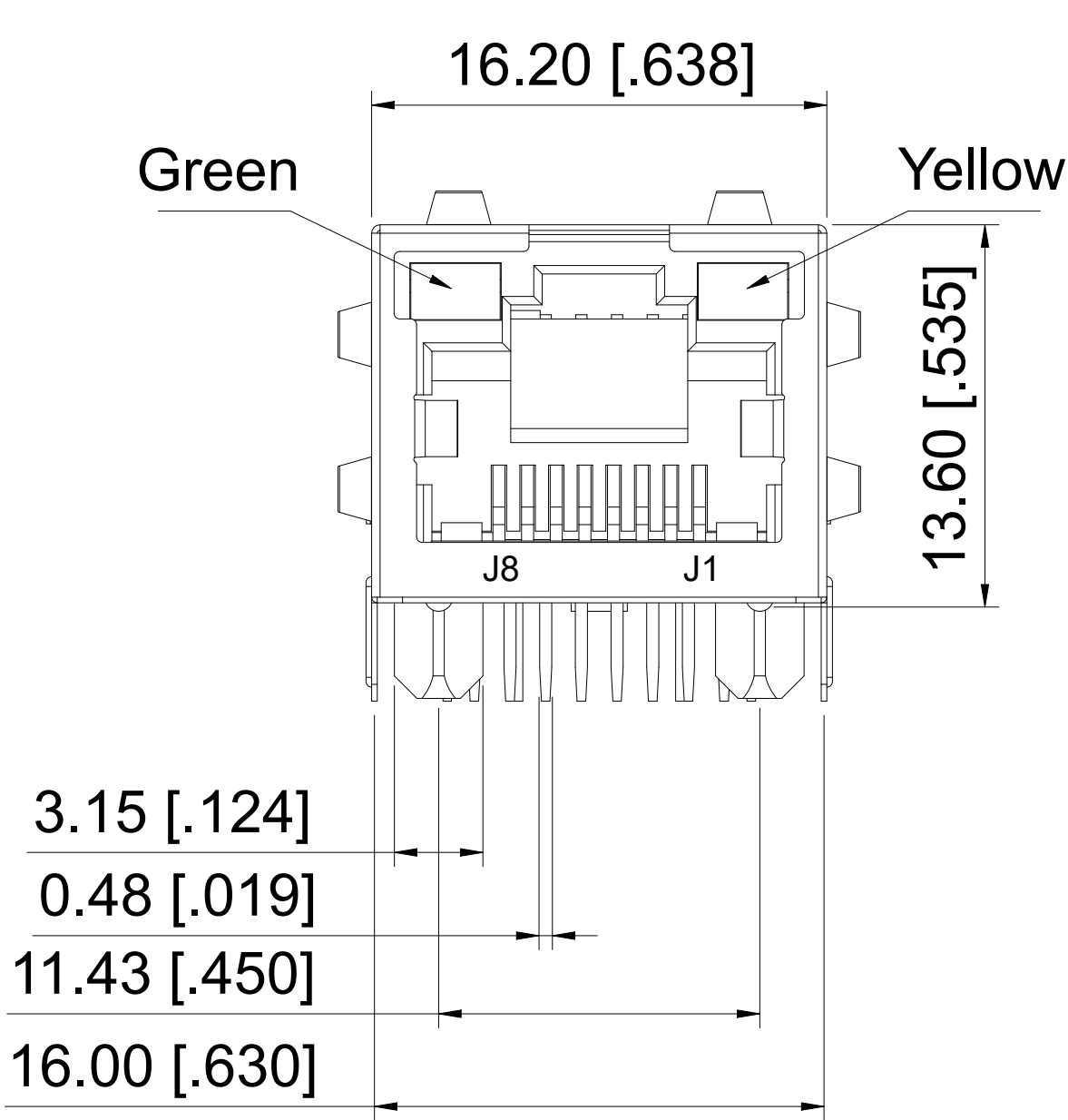


REVISIONS					
P	LTR	DESCRIPTION		DATE	OWN APVD
	A2	REVISED	PER ECR-24-230851	01JAN2025	TR RCG

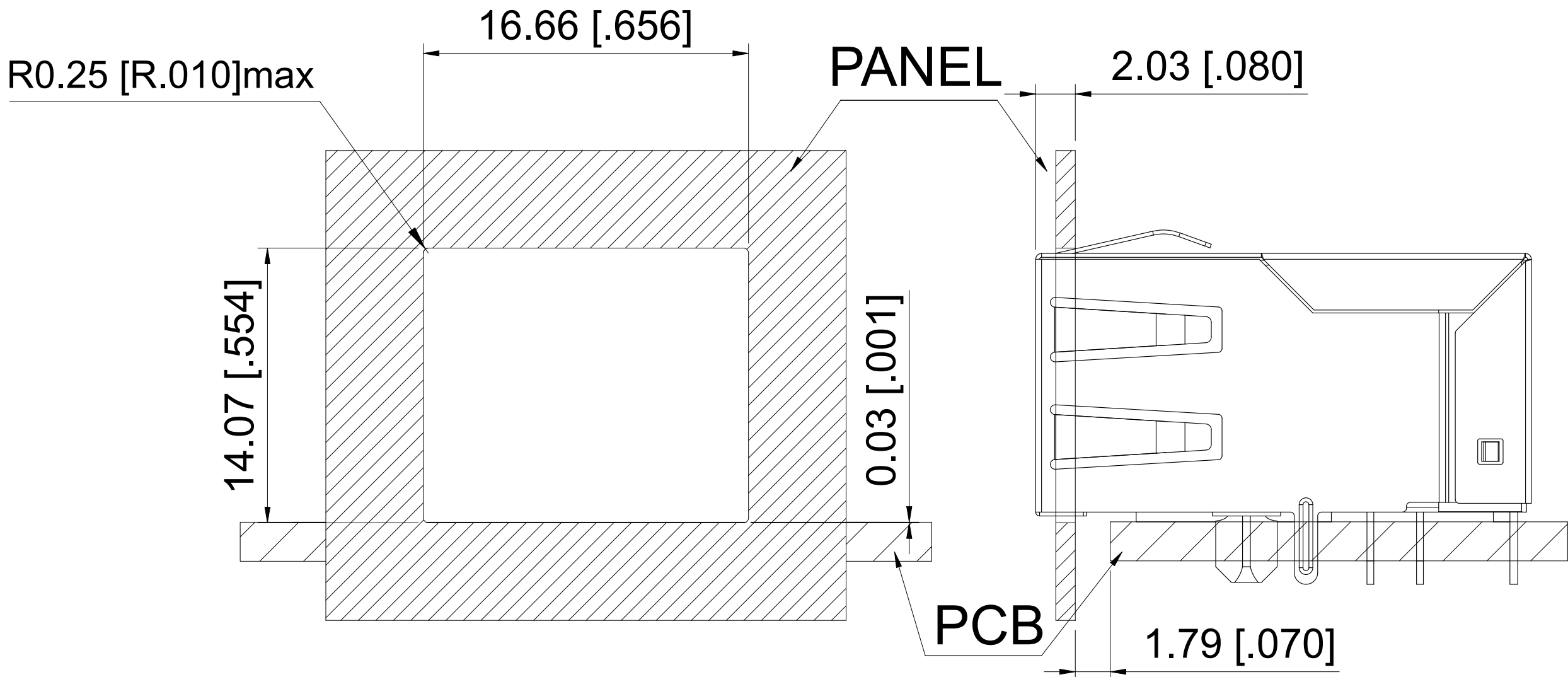
NOTES:

- 1.HOUSING MATERIAL:GLASS FILLED LCP(BLACK) UL94V-0(ROHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH SELECTED (REFER P/N TABLE) MICROINCHES GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH BRASS.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
- 5.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX,10 SECS MAX.
- 6.OPERATING TEMPERATURE:-40°C TO +85°C.
STORAGE TEMPERATURE:-40°C TO +85°C.



RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)

Dimensions Tolerance:
All PCB LAYOUT
Tolerances:±0.05[.002]



0.04572 μm [1.8μ"]	2488960-6
0.0762 μm [3μ"]	2488960-5
0.1524 μm [6μ"]	2488960-4
0.381 μm [15μ"]	2488960-3
0.762 μm [30μ"]	2488960-2
1.27 μm [50μ"]	2488960-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAMESH KIVADER 13JUN2024	TE Connectivity	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK RAMESH KIVADER 13JUN2024		
	0. PLC ± 0.10 1. PLC ± 0.25 2. PLC ± 0.25 3. PLC ± 0.25 4. PLC ± 0.25 ANGLES ± 2	NAME RAMESH KIVADER 13JUN2024	RJ45 1X1 Tab_Up/Through Hole 10/100Base-T W/LED	
		PRODUCT SPEC 108-161443		
MATERIAL -	FINISH -	APPLICATION SPEC 114-161076	SIZE A1	CAGE CODE 00779
CUSTOMER DRAWING		WEIGHT -	DRAWING NO 2488960	RESTRICTED TO -
		SCALE 1:1	SHEET 1 OF 2	REV A2

Schematic

PCB SIDE

TD+ P1

CT P2

TD- P3

RD+ P4

CT P5

RD- P6

NC P7

GND P8

75Ω

75Ω

1CT:1CT

1000pF/2KV

75Ω

75Ω

J1 TX+

J2 TX-

J3 RX+

J6 RX-

J5

J7

J8

CABLE SIDE

P12

P11

P10

P9

Green

Yellow

PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
URNS RATIO	1:1±2%
INDUCTANCE(OCL)	350uH MIN@100KHz/100mV With 8mA DC Bias
INSERTION LOSS	-1.0dB MAX@0.3MHz-100MHz;
RETURN LOSS (Z out=100 OHM)	-18dB MIN@1MHz-30MHz; -13dB MIN@30MHz-60MHz; -10dB MIN@60MHz-100MHz;
CROSSTALK (ADJACENT CHANNELS)	-35dB MIN@1MHz-100MHz;
COMMON MODE REJECTION RATIO	-35dB MIN@1MHz-100MHz;
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Farward V(max)	TYP
GREEN	570nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm (INCHES)

MATERIAL

—

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0. PLC ± 0.10

1. PLC ± 0.25

2. PLC ± 0.25

3. PLC ± —

4. PLC ± —

ANGLES ± 2

FINISH —

DWN
RAMESH KIVADER
13JUN2024

CHK
RAMESH KIVADER
13JUN2024

APVD
PS SATHISH
13JUN2024

NAME
RJ45 1X1 Tab_Up/Through Hole
10/100Base-T W/LED
—

SIZE
A1

CAGE CODE
00779

DRAWING NO
2488960

RESTRICTED TO
—

CUSTOMER DRAWING

SCALE
1:1

SHEET
2

OF
2

REV
A2

TE Connectivity

4805 (1/15)