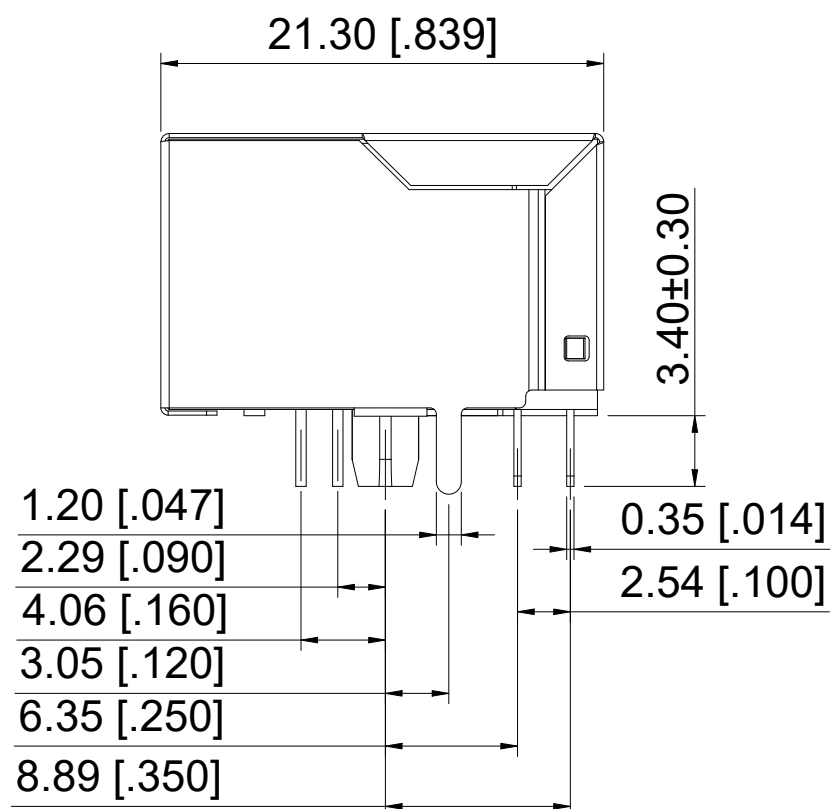
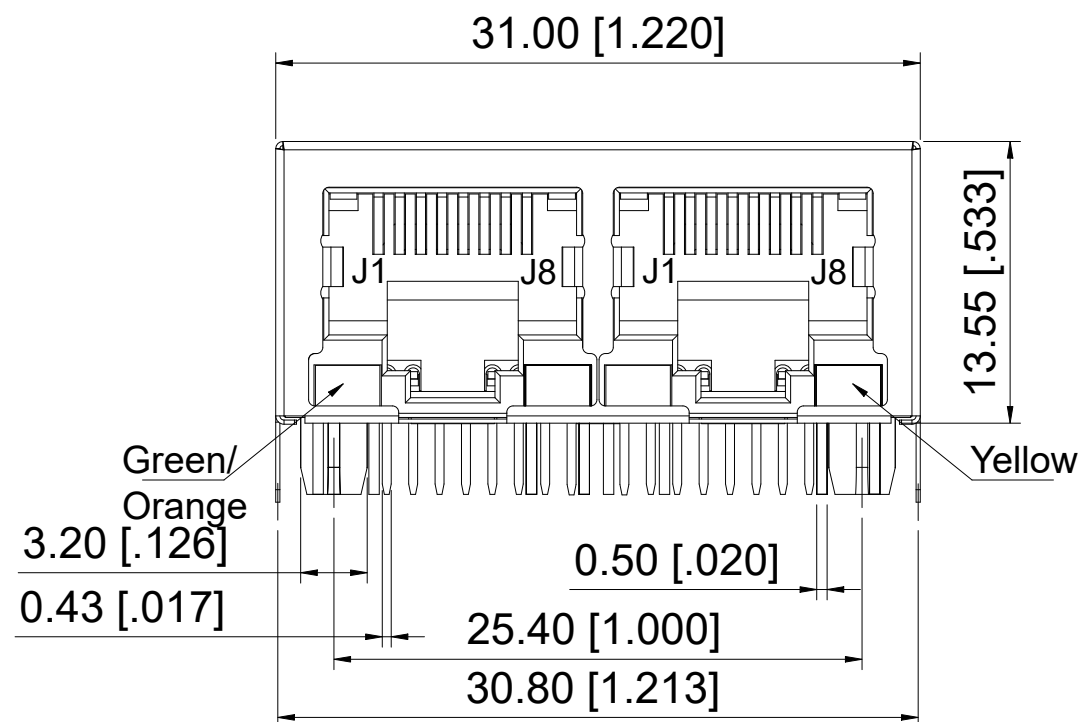
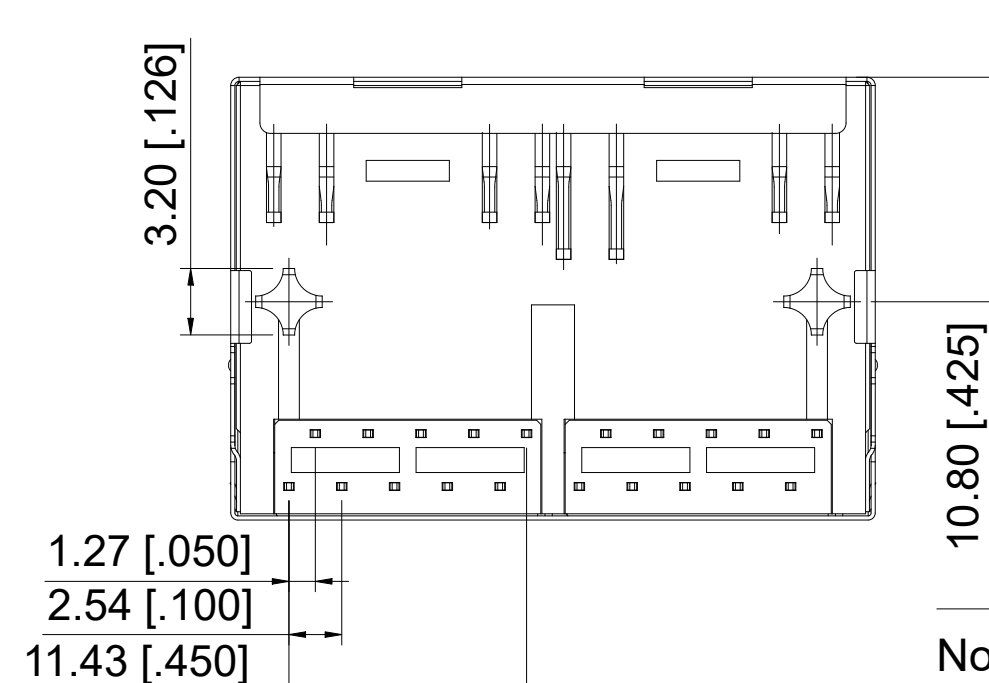


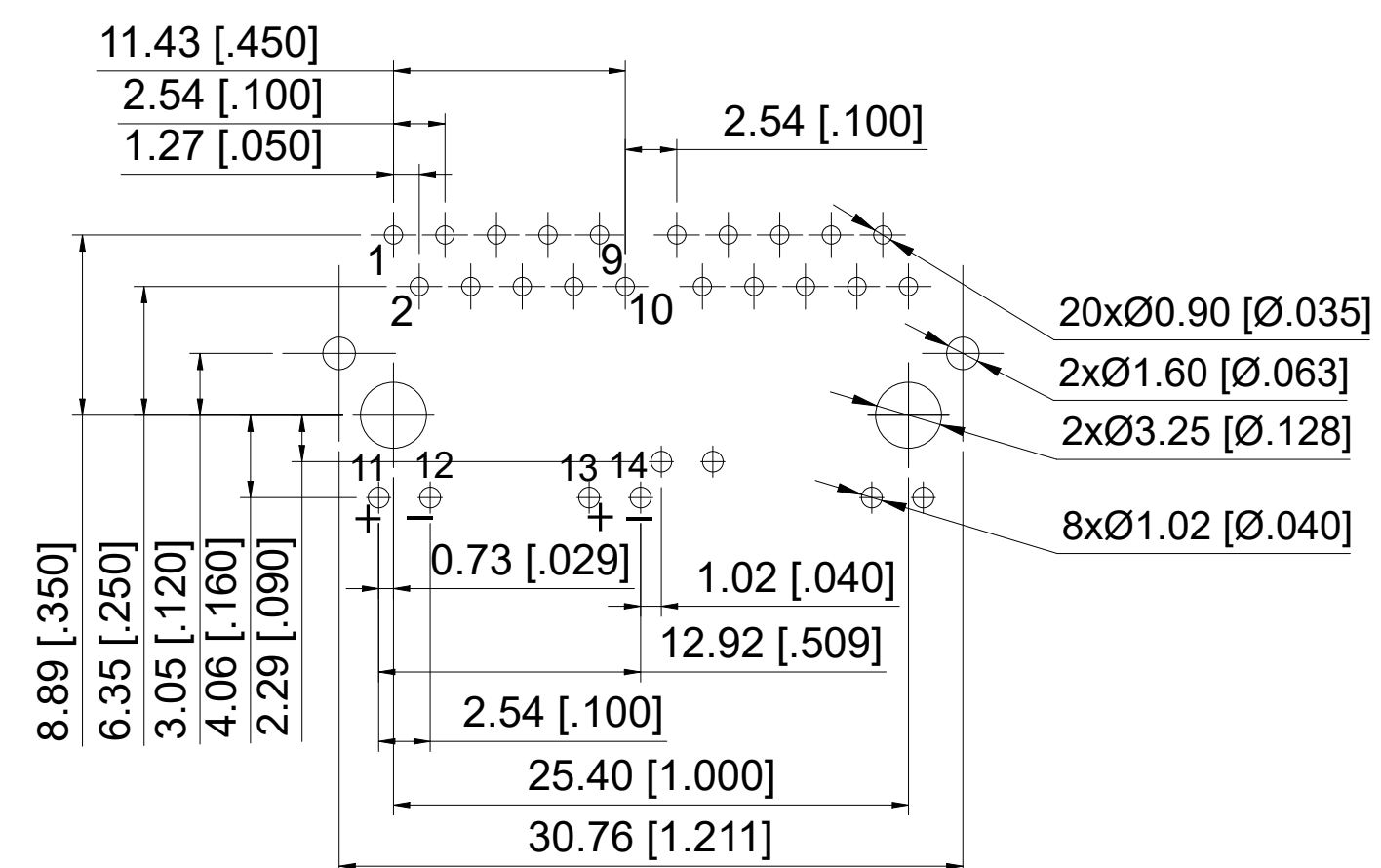
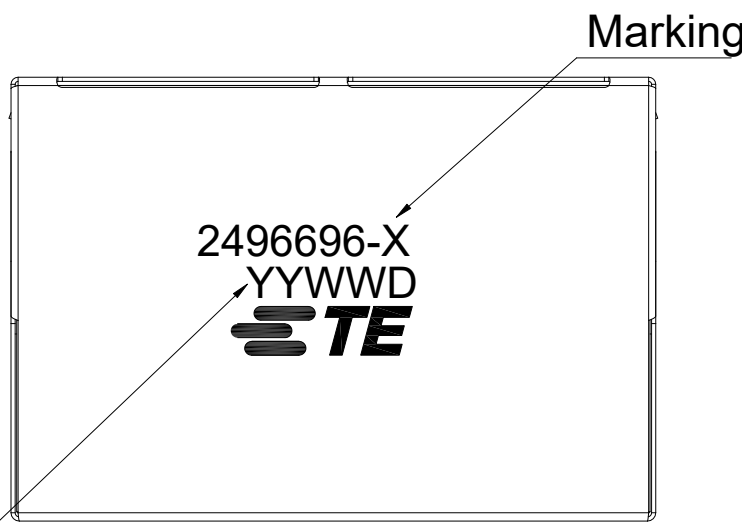


MATERIALS

- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) 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.

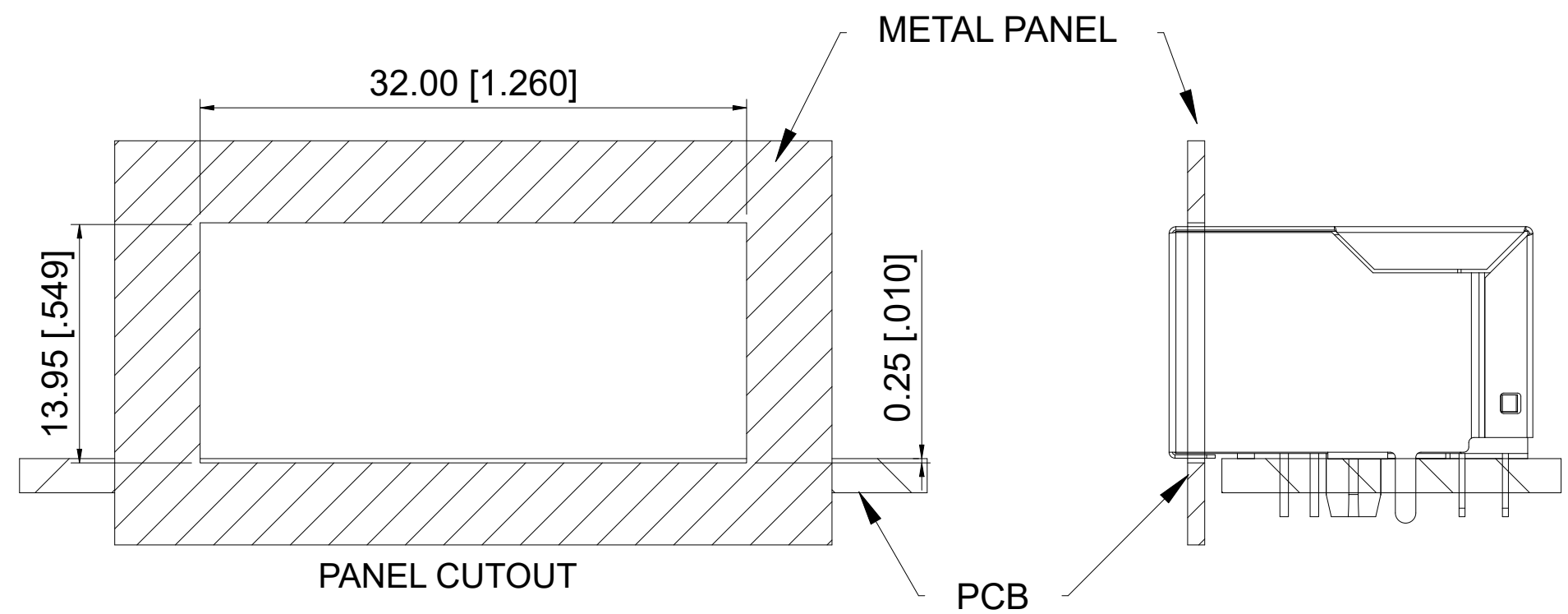


Note:
X= 1, 2,3,4,5,6
YYWWD
YY=YEAR
WW=WEEK
D=1 for Sunday - 7 for Saturday



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

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



GF	2496696-6
0.0762 μm [3μ"]	2496696-5
0.1524 μm [6μ"]	2496696-4
0.381 μm [15μ"]	2496696-3
0.762 μm [30μ"]	2496696-2
1.27 μm [50μ"]	2496696-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± 0.35
2 PLC ± 0.25
3 PLC ± 0.15
4 PLC ± -
ANGLES ± 2°
FINISH

DWN
TARUN, R
04NOV2024

CHK
RAMESH, KIVADER
05NOV2024

APVD
RAGHAVAN, CG
05NOV2024

PRODUCT SPEC
108-161620

APPLICATION SPEC
114-161217

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

RJ45 W/MAGNET 1X2 5G LED

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=2496696

RESTRICTED TO
-

SCALE
1:1

SHEET
1 of 2

REV
A

VCC P1

TD1+ P2

TD1- P3

TD2+ P4

TD2- P5

TD3+ P6

TD3- P7

TD4+ P8

TD4- P9

GND P10

1CT:1CT

75 Ω

J1 TX1+

J2 TX1-

J3 TX2+

J6 TX2-

J4 TX3+

J5 TX3-

J7 TX4+

J8 TX4-

1000pF/2KV

CABLE SIDE



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	180uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL 1,2,3,4)
INSERTION LOSS(IL)	-0.5dB MAX@1MHz-50MHz; -1.0dB MAX@50MHz-125MHz; -2.0dB MAX@125MHz-200MHz; -2.5dB MAX@200MHz-250MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-20dB MIN@1MHz-50MHz; -20+15LOG(f/40MHz)dB MIN@50MHz-250MHz;
CROSSTALK (ADJACENT CHANNELS)	-25dB MIN@1MHz-125MHz; -20dB MIN@125MHz-250MHz;
COMMON MODE REJECTION RATIO(CMRR)	-23dB MIN@1MHz-250MHz;
COMMON TO DIFFERENTIAL MODE REJECTION(REF)	-23dB MIN@1MHz-250MHz;
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
ORANGE	605nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 04NOV2024 TARUN, R CHK 05NOV2024 RAMESH, KIVADER APVD 05NOV2024 RAGHAVAN, CG		 TE Connectivity							
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 W/MAGNET 1X2 5G LED							
		0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°									
MATERIAL -		FINISH -									
		WEIGHT -		SIZE A2		CAGE CODE 00779		DRAWING NO C=2496696		RESTRICTED TO -	
CUSTOMER DRAWING						SCALE 1:1		SHEET 2 of 2		REV A	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2496696-4](#)