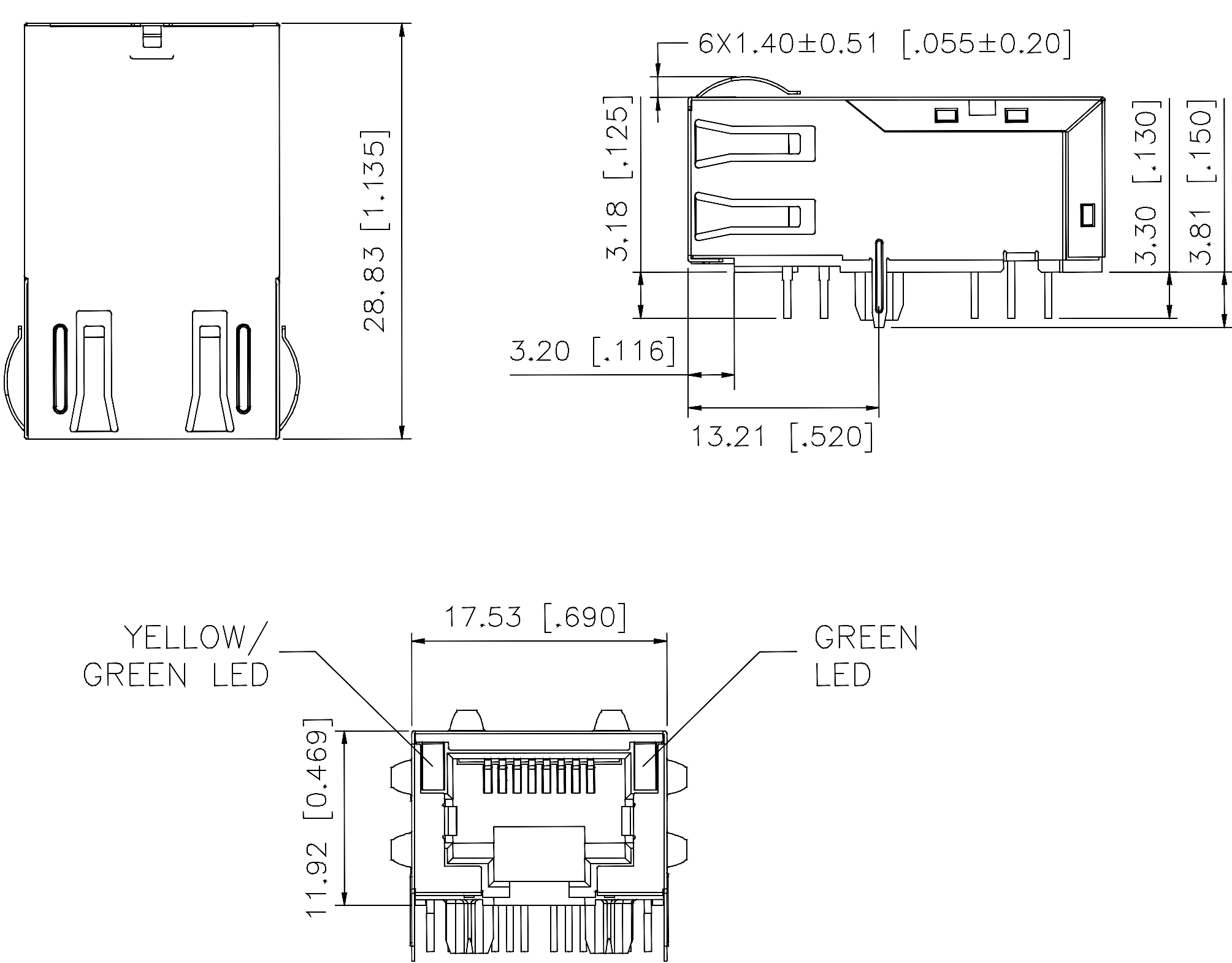
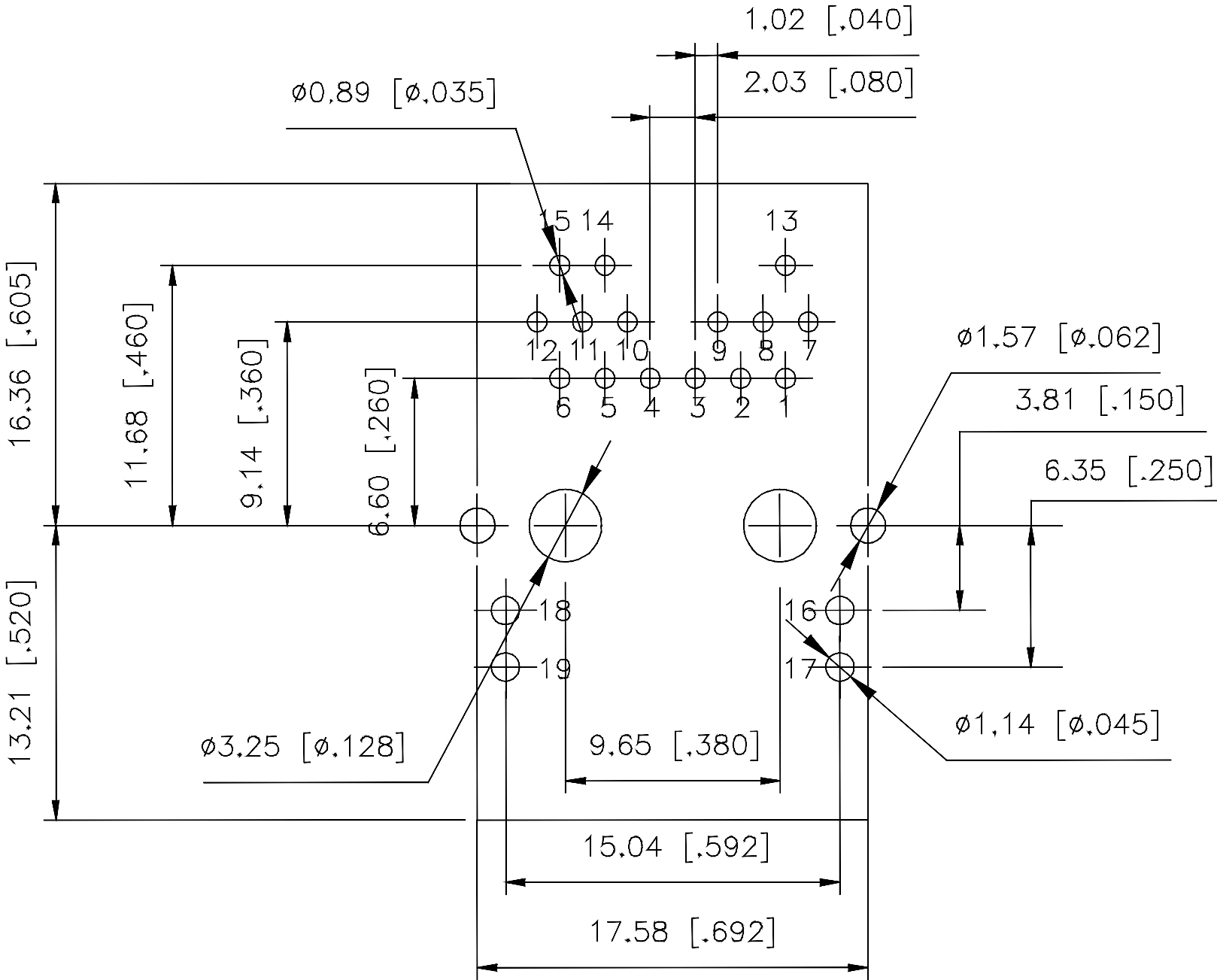


RoHS Compliant

Mechanical:



REV	MODIFICATION	DATE	DRAW	APPROVE



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

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

- NOTE:
- 1.Shielded – 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u”Min.
 - 2.Housing– Standard Material Nylon46,Glass Filled Polyester UL94V–0 Standed Color Black.
 - 3.RJ Terminal– Plastic:Nylon46, UL94V–0,Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5210 EH. Plating:Nickel40u”~60u” for all and Sn 100% ,and Gold Plating.
 - 4.Input Terminal– Nylon46,Glass Filled,UL94V–0, Standard Color Black. Pin:0.35mm SUS430. Plating:Nickel40u”~60u” for all and Sn 100%.

QC :Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.°± 2.0°	58S series 10G Tabdown			
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		58ST22JPRH4			
APPROVE		CHECK	DRAW	PROJ.	SHEET X OF Y	
Corey 2019,11,21		Eason 2019,11,21	Andy 2019,11,21	SCALE 1:1	SIZE A3	REV P1

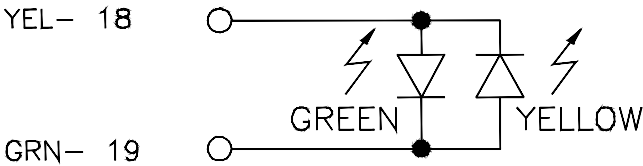
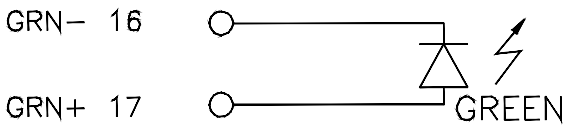
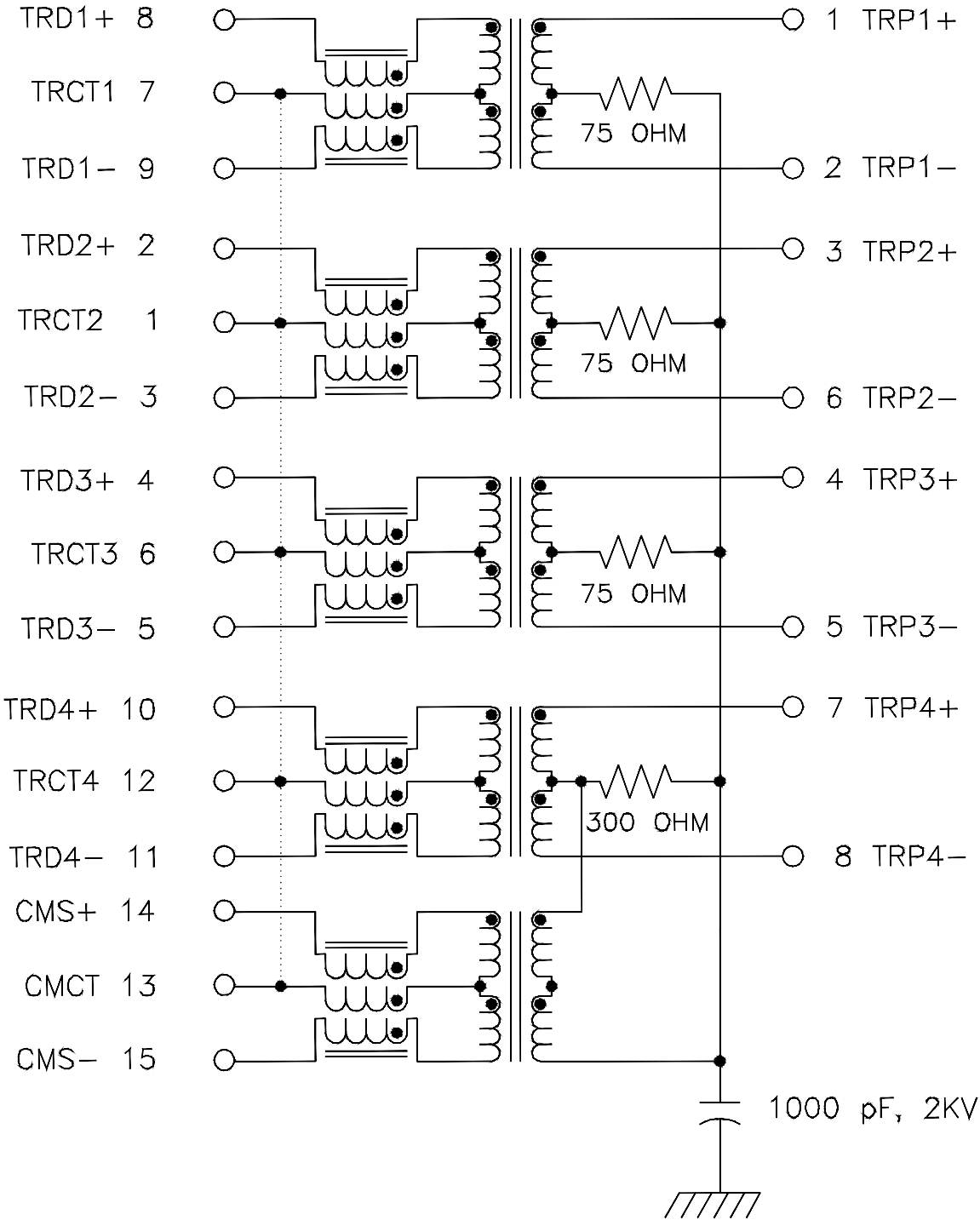
RoHS Compliant

Schematic:

Type T22

PCB SIDE

CABLE SIDE



Part Number:

XXX XXX XX X X X
① ② ③ ④ ⑤ ⑥

- ① Series No.
- ② Transformer Type.
- ③ Shield Type.
- ④ R=Standard operation temp. (0°C to +70°C)
H=Industrial operation temp. (-40°C to +85°C)
- ⑤ LED Code:See left table.
- ⑥ RJ45 Plating

REV	MODIFICATION	DATE	DRAW	APPROVE

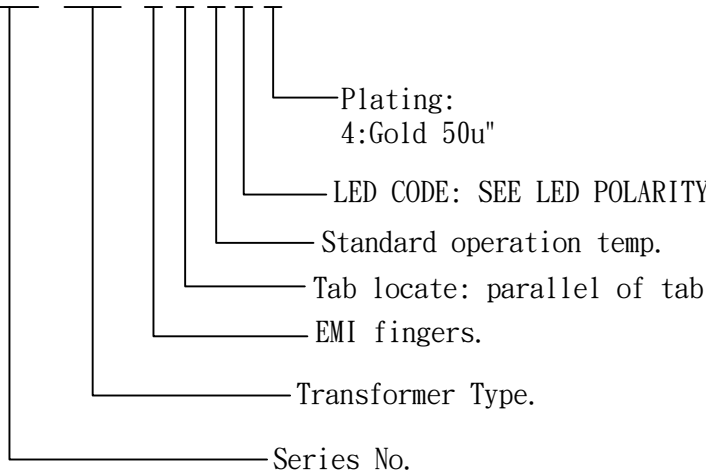
ELECTRICAL CHARACTERISTICS AT +25℃ UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0 °C TO +70 °C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21&SDD12)	1-65MHz	65-125MHz	125-400MHz	400-500MHz
	-0.8dB MAX	-1.0dB MAX	-2.5dB MAX	-3.5dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%) (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-400MHz	300-500MHz	
	-18dB MIN	-18+10*LOG(f/40)dB MIN	-8+30*LOG(f/400)dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100KHz, 100mV			
CROSSTALK, ADJACENT CHANNELS (SDD21-ADJ.)	1-100MHz		100-500MHz	
	-30dB MIN		-20dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1-100MHz	100-300MHz	300-500MHz	
	-30dB MIN	-22dB MIN	-17dB MIN	
COMM. TO DIFF REJECTION RATIO (SDC12)	1-100MHz	100-300MHz	300-500MHz	
	-32dB MIN	-27dB MIN	-22dB MIN	
Between Shield and Terminal	2250 VDC FOR 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

Part Number:

58ST22JPRH4



Code	RJ45 Plating		
	Contact area	Solder tail	Under plating
F	3u" gold	100u" Tin Min.	40u" Nickel Min.
1	6u" gold		
2	15u" gold		
3	30u" gold		
4	50u" gold		

QC : Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X°.± 2.0°	58S series 10G Tabdown			
	.XX± 0.20	.X°.± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		58ST22JPRH4			
APPROVE Corey 2019,11,21	CHECK Eason 2019,11,21		DRAW Andy 2019,11,21	PROJ. SCALE 1:1	SHEET X OF Y SIZE A3	REV P1