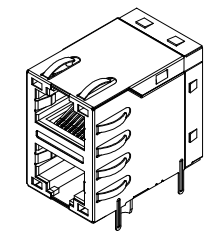
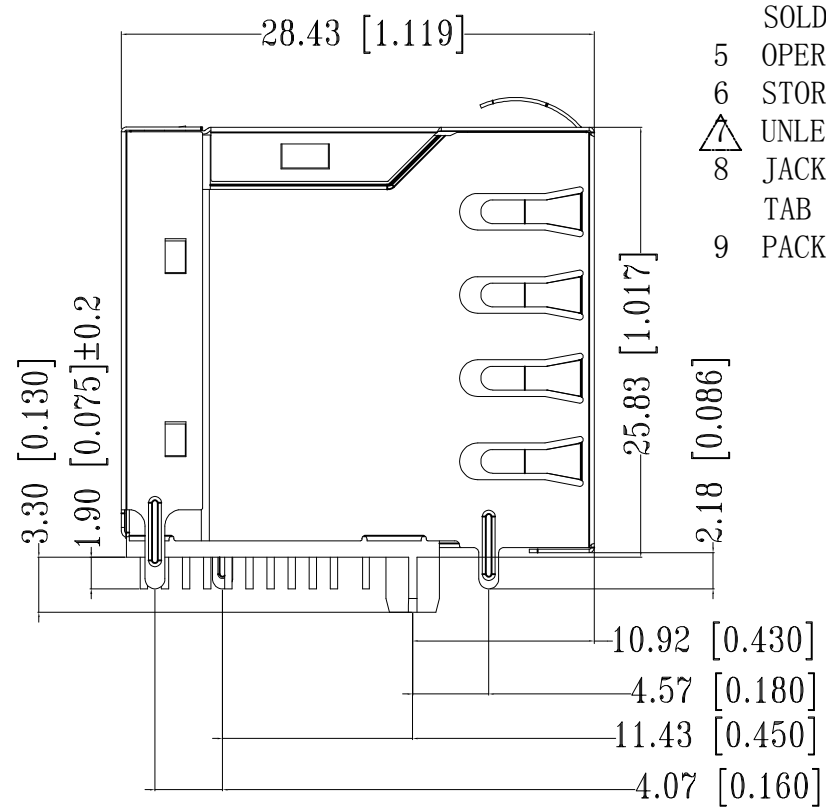
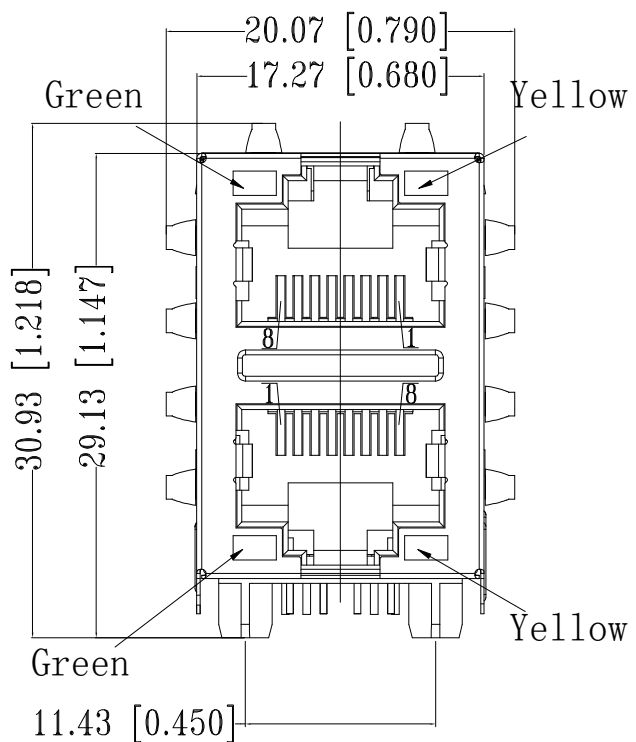
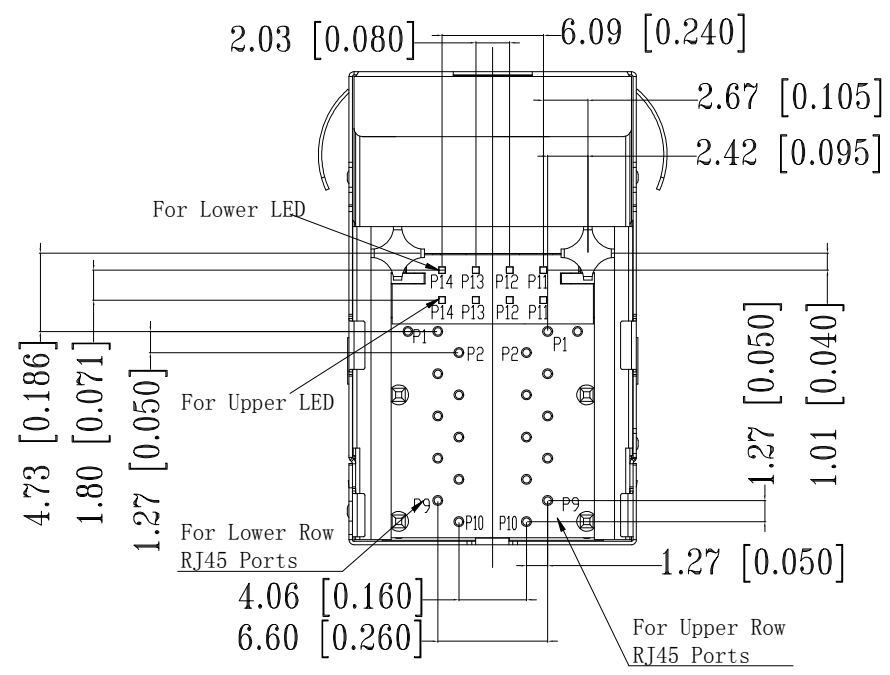


| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|-----------|-----|------|
| | A | NEW RELEASE | 28NOV2018 | GCM | MSZ |



1:1

- △ CONNECTOR MATERIAL:
 HOUSING: LCP BLACK UL94 V-0
 INSERT: LCP BLACK UL94 V-0
 SHIELD: BRASS
 SHIELD PLATING: NICKEL
 CONTACT: COPPER ALLOY
 CONTACT PLATING: SELECTIVE GOLD, MIN. 0.76µm (30µinch) IN CONTACT AREA
 OVER MIN. 1.27µm (50µinch) NICKEL
 SOLDER PIN PLATING: 3.05µm (120µinch) TIN OVER 1.02µm (50µinch) NICKEL
 OVER ALL
 SHIELDING PIN PLATING: NICKEL
- 2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT DIAGRAM FOR OMITTED PINS
- 3 RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68
- 4 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK
 SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s
- 5 OPERATING TEMPERATURE: T= -40° C TO +85° C
- 6 STORAGE TEMPERATURE: T= -40° C TO +85° C
- △ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 2 x 1
 TAB DIRECTION: UP / DOWN
- 9 PACKAGING: TRAY ACCORDING TO PACKAGING SPECIFICATION 107-18116

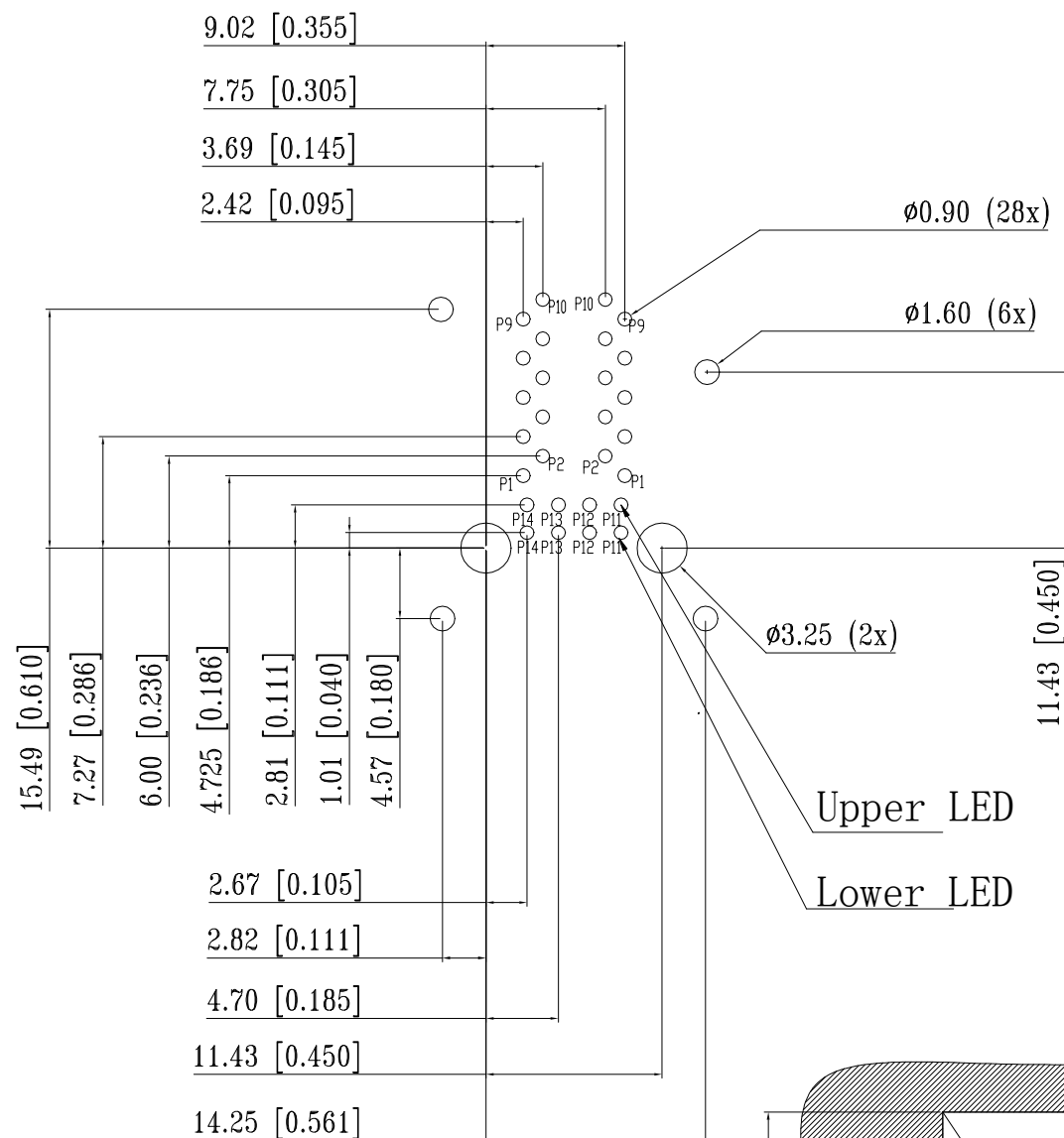
| TABLE OF TOLERANCE (mm) | |
|-------------------------|-----------|
| RANGE | TOLERANCE |
| 0-10 | ±0.15 |
| >10-40 | ±0.25 |
| >40-70 | ±0.30 |
| >70 | ±0.40 |

| | | | | | |
|--|--|---|-----------|------------------|----------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | 28NOV2018 | | STE TE Connectivity |
| | | CHK | 28NOV2018 | | |
| | | APVD | 28NOV2018 | | |
| | | NAME | | | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC | |
| | | 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - | | 108-94694 | |
| | | | | APPLICATION SPEC | |
| MATERIAL | | FINISH | | WEIGHT | |
| | | | | 114-94556 | |
| | | | | CUSTOMER DRAWING | |
| | | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| | | A3 | 00779 | C-5-2337995-1 | - |
| | | SCALE | SHEET | REV | |
| | | 3:1 | 1 OF 3 | A | |

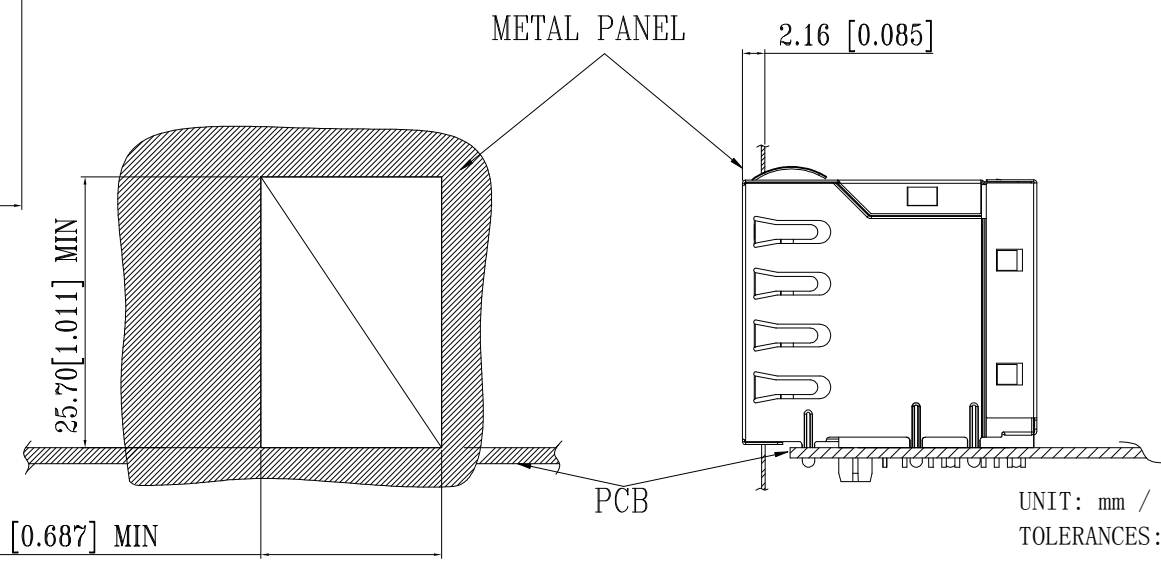
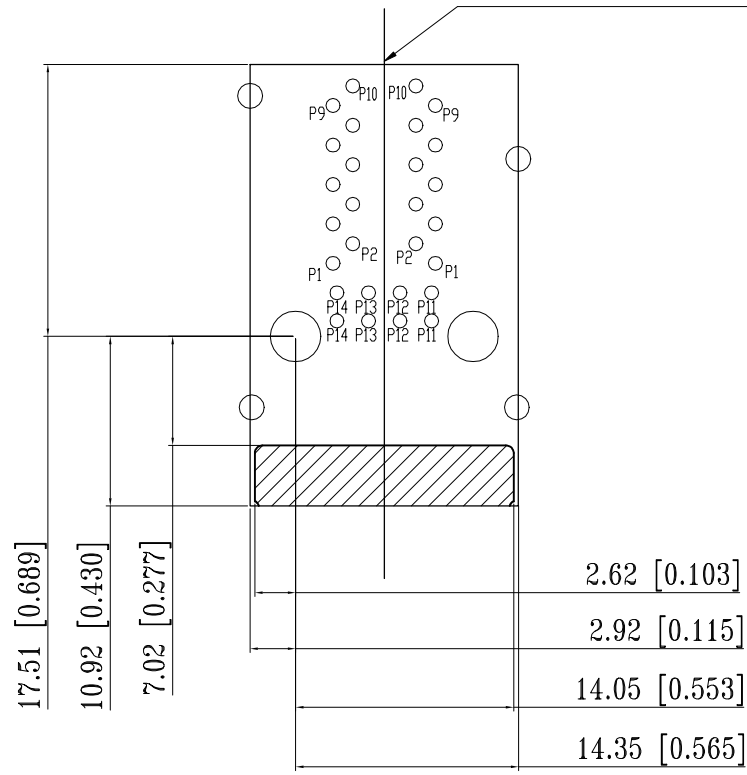
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| - | - | SEE SHEET 1 | - | - | - |

SUGGESTED PCB LAYOUT



Connector Boundary



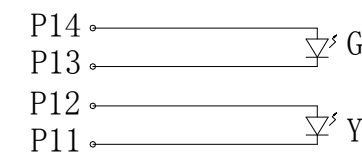
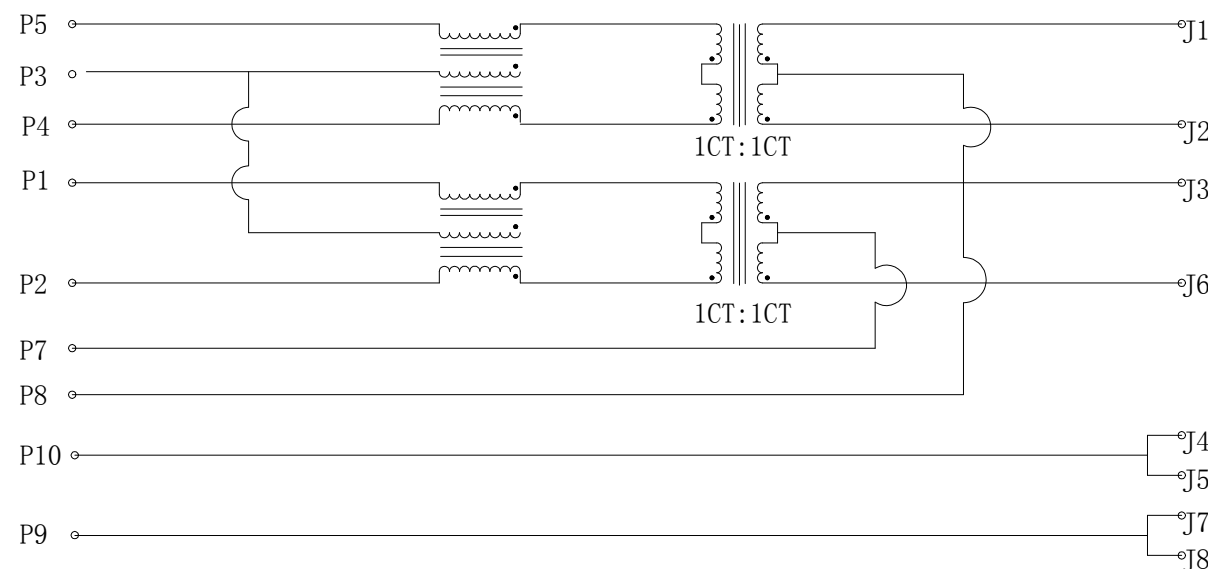
UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

| | | | | |
|--|--|-----------------------------------|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN GANESH C M 28NOV2018 | STE TE Connectivity | |
| | | CHK O. WIBORG 28NOV2018 | | |
| DIMENSIONS: mm [INCHES] | | APVD J. DE BRUIJN 28NOV2018 | NAME RJ45 JACK MAG. POE 10/100 LED 2x1 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC 108-94694 | RESTRICTED TO | |
| 0 PLC ± - | | APPLICATION SPEC 114-94556 | SIZE A3 | CAGE CODE 00779 |
| 1 PLC ± - | | WEIGHT | DRAWING NO C-5-2337995-1 | |
| 2 PLC ± - | | CUSTOMER DRAWING | SCALE 3:1 | SHEET 2 OF 3 |
| 3 PLC ± - | | | REV A | |
| 4 PLC ± - | | | | |
| ANGLES ± - | | | | |
| MATERIAL | | | | |
| FINISH | | | | |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| - | - | SEE SHEET 1 | - | - | - |

ELECTRICAL CIRCUIT DIAGRAM



| Pin | Yellow | Green |
|-----|--------|-------|
| P11 | - | P13 - |
| P12 | + | P14 + |

- 1.0 Turn Ratio @100kHz: (P5~P4):(J1~J2) = 1:1±2%
(P1~P2):(J3~J6) = 1:1±2%
- 2.0 Primary Inductance: 350µH MIN. @100kHz,0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX.
- 4.0 Insertion Loss: 1-100MHz -1.2dB MAX.
- 5.0 Return Loss: 1-30MHz -16dB MIN.
30-60MHz -12dB MIN.
60-80MHz -10dB MIN.
- 6.0 CROSS TALK: 1-100MHz -27.1dB MIN.
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- 8.0 Isolation: PHY Side to Line Side: 2250VDC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)

5-2337995-1
WWYY-xxxx

STE

FCC

CONTROL CODE
DATE CODE
"0213"

YY-YEAR
WW-WEEK

| | | | | | | |
|---|--|-----------------------------------|---|--------------------|-----------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN GANESH C M 28NOV2018 | STE TE Connectivity | | | |
| DIMENSIONS: mm [INCHES] | | CHK O. WIBORG 28NOV2018 | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - | | APVD J. DE BRUIJN 28NOV2018 | NAME RJ45 JACK MAG. POE 10/100 LED 2x1 | | | |
| MATERIAL | | PRODUCT SPEC 108-94694 | SIZE A3 | CAGE CODE 00779 | DRAWING NO C-5-2337995-1 | RESTRICTED TO - |
| FINISH | | APPLICATION SPEC 114-94556 | SCALE 3:1 | | SHEET 3 of 3 | REV A |
| CUSTOMER DRAWING | | | | | | |