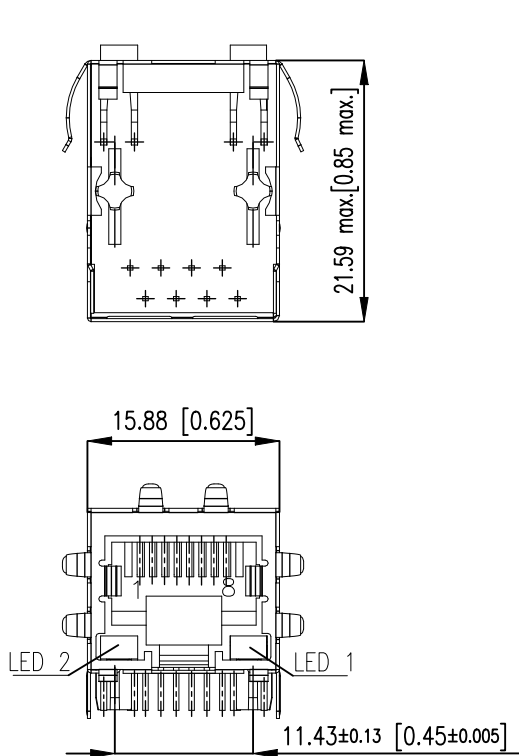
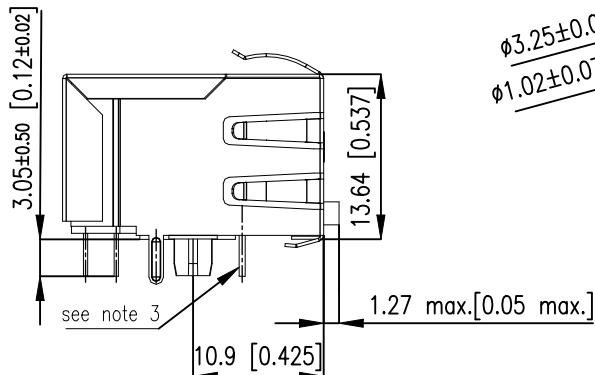
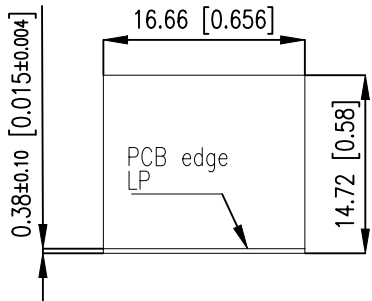


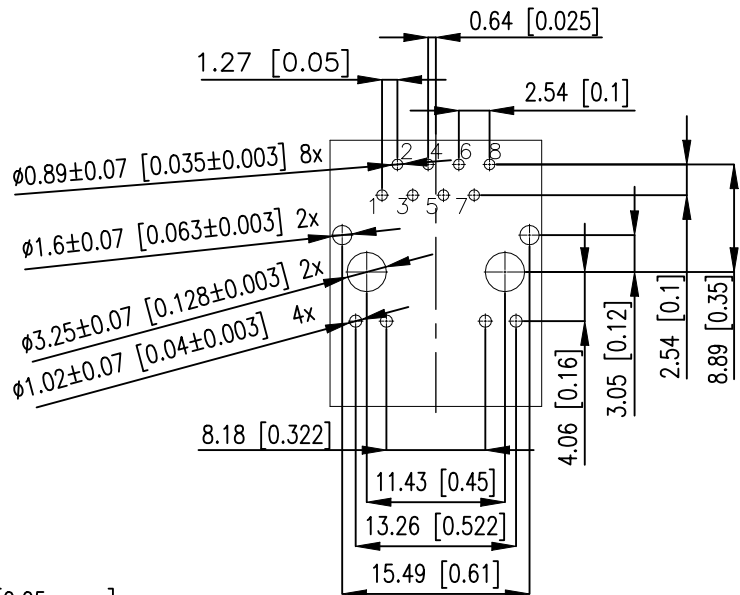
| REVISIONS |     |                         |           |     |      |
|-----------|-----|-------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION             | DATE      | DWN | APVD |
|           | D1  | GENERAL TOLERANCE ADDED | 04JAN2024 | NK  | JDB  |



Empfohlener Frontplatten Ausschnitt  
Recommended panel cutout



Empfohlenes Leiterplatten–Layout (Bestückungsseite)  
Recommended PCB layout (component side view)  
TOL ±0.05 [.002] wenn nicht angegeben/unless noted



- Bemerkung 1 / Note 1 : Layout–Schirmanschlüsse hinten 3,05 mm (R) / shield terminations in rear area 3.05mm (R)
- Bemerkung 2 / Note 2 : Schirmkontakte an beiden Seiten und oben (GF5) / shield contacts on both sides and top (GF5)
- Bemerkung 3 / Note 3 : anwendbar für Teil 203503–E:  
– keine LED–Pins  
– Schirmung in der Frontseite ohne LED–Öffnungen  
applicable for part 203503–E  
– no LED pins  
– shield in front side without LED openings

LED Anweisung  
LED Specifications

Materialien und Ausführung / Materials and finish:

Gehäuse / Housing : glasgefülltes Polyester UL 94 V–0 schwarz / glass filled polyester UL 94 V–0 black

Abschirmung / Shielding : Cu–Legierung, beschichtet mit Ni  
Cu alloy, plated with Ni

Kontakte / Contacts : Phosphor bronze

Kontaktoberfläche / Contact finish : Au, 0,8 µm (30 µin), über Ni / Au, 0.8 µm (30 µin), over Ni

Anschlussoberfläche / Terminal finish : Sn matt / Sn matte

LED–Linse / LED lens: Epoxid / epoxy

Mechanische Eigenschaften / Mechanical characteristics :

Dauerhaftigkeit / Durability : 1000 Steckzyklen / 1000 mating cycles

Elektrische Kennwerte / Electrical characteristics :

Durchgangswiderstand / Contact resistance : 30 Milloohms max

Betriebstemperatur / Operating temperature : –40°C to +85°C

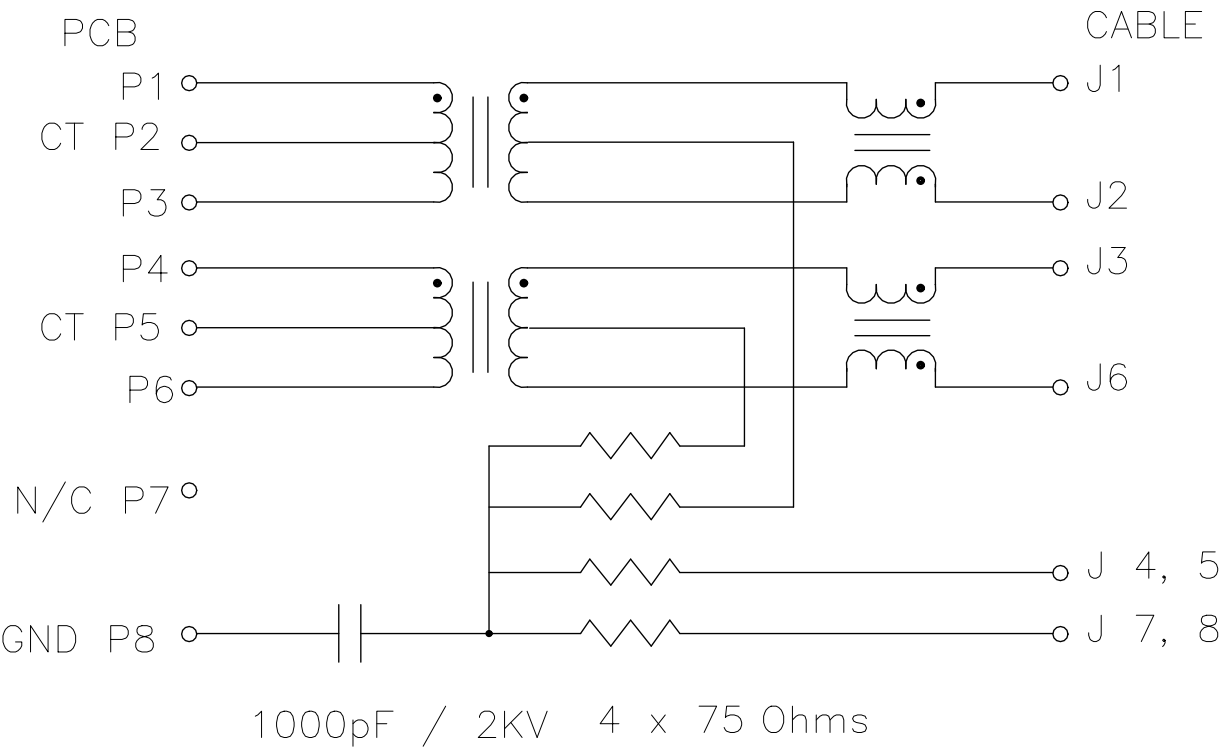
|                |           |           |          |                                 |  |
|----------------|-----------|-----------|----------|---------------------------------|--|
| gelb /yellow   | 2,1       | 2,5       | 20       |                                 |  |
| grün /green    | 2,2       | 2,5       | 20       |                                 |  |
| Farbe<br>Color | Vf<br>Typ | Vf<br>Max | If<br>mA | Schaltplan<br>circuit diagramm. |  |

|         |                         |                           |                             |              |
|---------|-------------------------|---------------------------|-----------------------------|--------------|
| OBSOLET | 203503–E                | keine /none               | keine / none                | keine / none |
|         | 203336–E                | gelb /yellow              | grün / green                | L1           |
|         | Ident – Nr.<br>Part no. | LED 2 links<br>LED 2 left | LED 1 rechts<br>LED 1 right | LED<br>Code  |

|                                        |        |                                           |                                |               |
|----------------------------------------|--------|-------------------------------------------|--------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | DWN<br>N K NIKHIL<br>07NOV2022            | TE Connectivity                |               |
|                                        |        | CHK<br>N MANTIKOU<br>09NOV2022            |                                |               |
|                                        |        | APVD<br>J DE BRUIJN<br>09NOV2022          | NAME                           |               |
| DIMENSIONS:<br>mm [INCHES]             |        | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: | Modular Jack<br>MJIM           |               |
|                                        | 0 PLC  | ± –                                       | 8C8T 1x1 INT. MAG. LED ALIGNED |               |
|                                        | 1 PLC  | ± –                                       |                                |               |
|                                        | 2 PLC  | ± 0.20 [0.008]                            |                                |               |
|                                        | 3 PLC  | ± –                                       |                                |               |
|                                        | 4 PLC  | ± –                                       |                                |               |
|                                        | ANGLES | ± –                                       |                                |               |
| MATERIAL                               |        | FINISH                                    | SIZE                           | RESTRICTED TO |
| –                                      |        | –                                         | A3                             | –             |
|                                        |        |                                           | CAGE CODE                      |               |
|                                        |        |                                           | DRAWING NO                     |               |
|                                        |        |                                           | 114–94780                      |               |
|                                        |        |                                           | WEIGHT                         |               |
|                                        |        |                                           | –                              |               |
|                                        |        |                                           | CUSTOMER DRAWING               |               |
|                                        |        |                                           | SCALE                          |               |
|                                        |        |                                           | NTS                            |               |
|                                        |        |                                           | SHEET                          |               |
|                                        |        |                                           | 1 of 2                         |               |
|                                        |        |                                           | REV                            |               |
|                                        |        |                                           | D1                             |               |

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

Elektrischer Schaltplan – 10/100 Base TX – H3D02  
Electrical schematic – 10/100 Base TX – H3D02  
Erweiterter Temperaturbereich  
Extended temperature range



Magnetische Spezifikationen @ 25°C

Magnetics specifications @ 25°C

Auto MDIX kompatibel/ Auto MDIX compatible

Windungsverhältnis / Turns ratio:

(P1–P3 : J1–J2) 1CT:1 ±3%

(P4–P6 : J3–J6) 1CT:1 ±3%

OCL (100 KHz, 0.1 Vrms, 8 mA)

(P1–P3 , P4–P6) 350 µH MIN

DCR (P1–P3, P4–P6)

1.1 Ohms MAX

Einfügungsdämpfung / Insertion loss:

0.1 MHz – 100 MHz

–1.1 dB MAX

Rückflussdämpfung / Return loss:

0.5 MHz – 30 MHz

–18 dB MIN

40 MHz

–15.5 dB MIN

50 MHz

–13.6 dB MIN

60–80 MHz

–12 dB MIN

Übersprechen / Crosstalk

(0.1 MHz – 100 MHz)

–40 dB TYP

CMR:

0.1 – 30 MHz

–50 dB TYP

30 – 60 MHz

–40 dB TYP

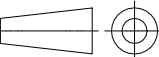
60 – 100 MHz

–35 dB TYP

Isolationsspannung /

Isolation voltage

1500 Vrms

|                                                                                       |  |                               |           |                                                                                                       |                    |
|---------------------------------------------------------------------------------------|--|-------------------------------|-----------|-------------------------------------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>N K NIKHIL             | 07NOV2022 |  TE Connectivity |                    |
|                                                                                       |  | CHK<br>N MANTIKOU             | 09NOV2022 |                                                                                                       |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | APVD<br>J DE BRUIJN           | 09NOV2022 | NAME<br>Modular Jack                                                                                  |                    |
|  |  | PRODUCT SPEC<br>108–94889     |           | MJIM                                                                                                  |                    |
|                                                                                       |  | APPLICATION SPEC<br>114–94780 |           | 8C8T 1x1 INT. MAG. LED ALIGNED                                                                        |                    |
| MATERIAL<br>—                                                                         |  | WEIGHT<br>—                   | —         | SIZE<br>A3                                                                                            | CAGE CODE<br>00779 |
|                                                                                       |  | FINISH<br>—                   | —         | DRAWING NO<br>C–203336–E                                                                              | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                                                                      |  |                               |           | SCALE<br>NTS                                                                                          | SHEET<br>2 OF 2    |
|                                                                                       |  |                               |           | REV<br>D1                                                                                             |                    |