

3M™ I/O INTERCONNECT SYSTEM 2.0mm FOR IEEE 1394 3E106 SERIES  
STRAIGHT (VERTICAL) THROUGH-HOLE PLUG MALE

Notes:

Physical:

Insulation:

Material: Glass Reinforced Polyester (PBT)

Flammability: UL 94V-0

Color: Black

Contact:

Material: Copper Alloy

Plating:

Underplating: Nickel

Wiping Area: GOLD 0.76um MIN.

Termination Area: GOLD FLASH

Shroud:

Material: Copper Alloy

Underplating: Nickel

Plating: Tin

Electrical:

Current Rating: 1 A

Voltage Rating: 150 VAC / 200 VDC

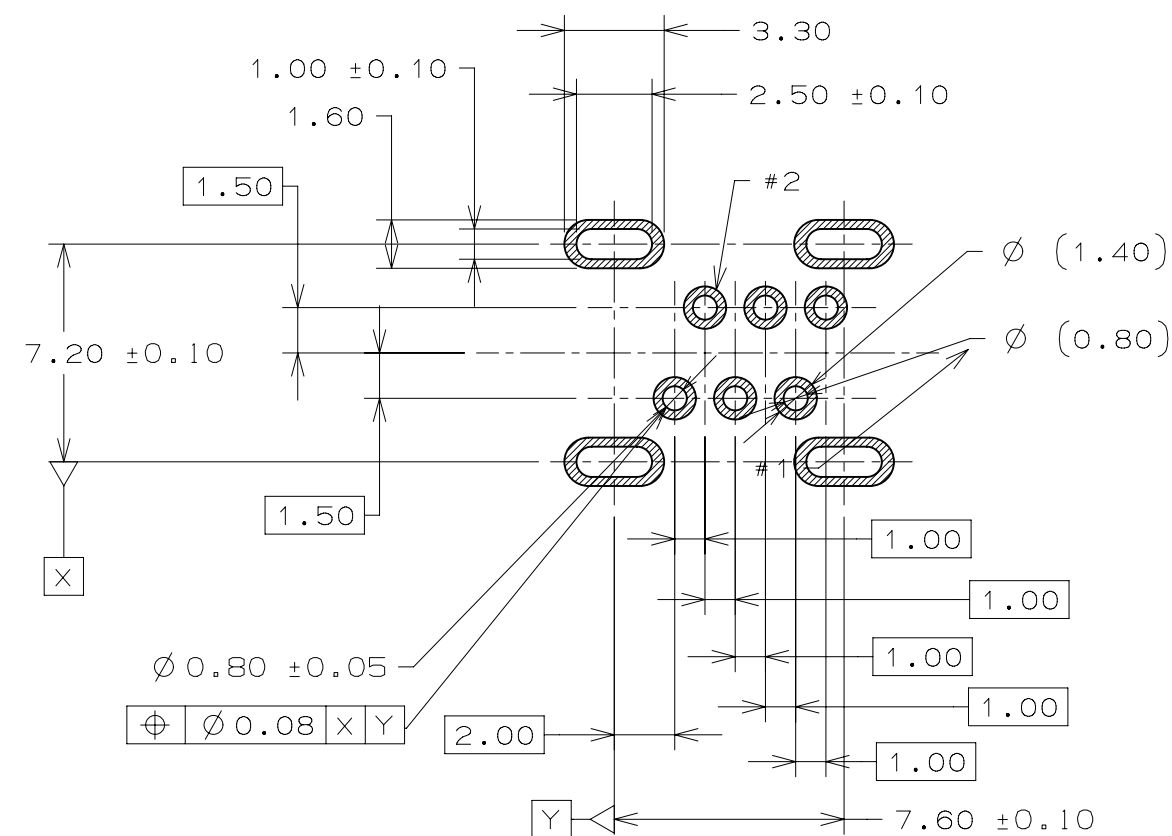
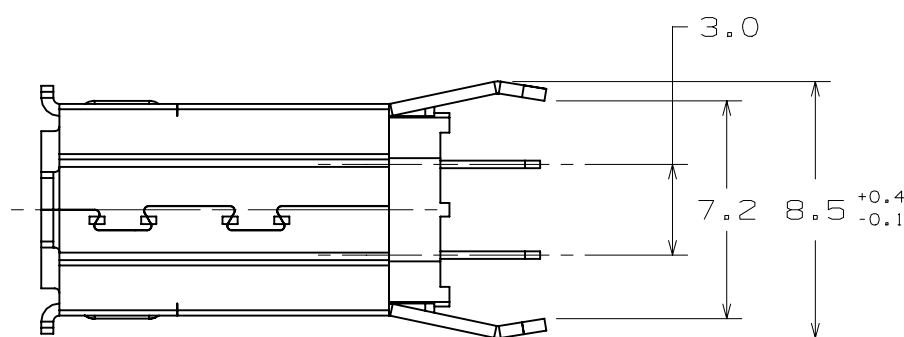
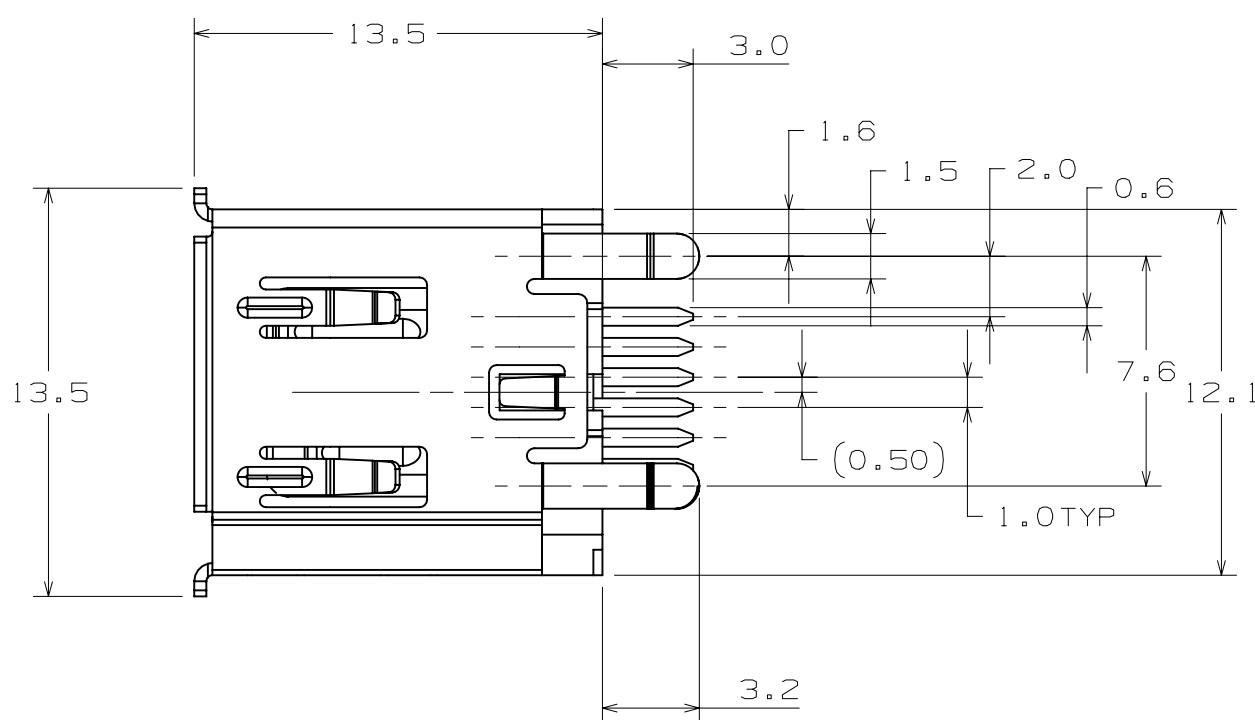
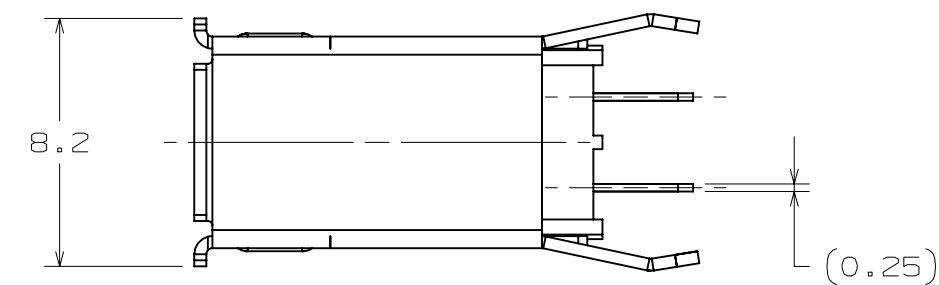
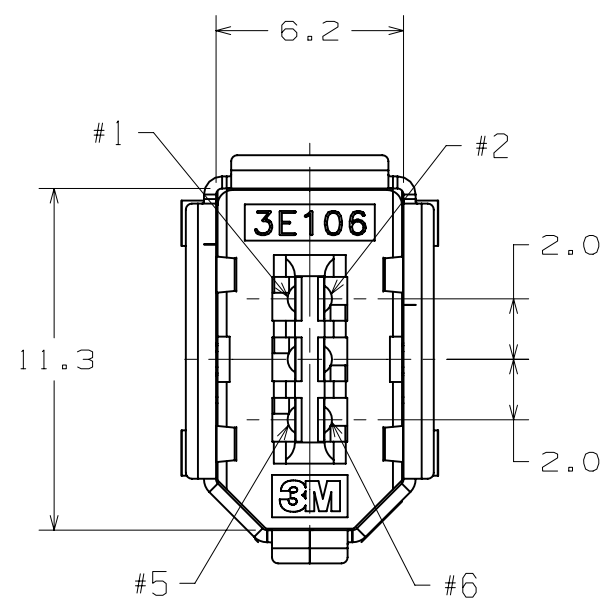
Insulation Resistance: >5 x 10<sup>9</sup>Ω at 500 VDC

Withstanding Voltage: 500 VRMS for 1 minute

Environmental:

Temperature Rating: -55° C to +85° C

Ordering Information: 3E106-1230 KV



P.C. BOARD HOLE PATTERN  
(COMPONENT SIDE)  
PCB THICKNESS = 1.6mm

| DESIGN REFERENCE                |     |                            |      | NEXT ASSEMBLY |      |      |      | FEB 23, 2011               |      |      |      |
|---------------------------------|-----|----------------------------|------|---------------|------|------|------|----------------------------|------|------|------|
| REV                             | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD          | DATE | DATE | DATE | DATE                       | DATE | DATE | DATE |
| M. LAMBERT                      |     | FEB 23, 2011               |      |               |      |      |      |                            |      |      |      |
| D. CRONCH                       |     | FEB 23, 2011               |      |               |      |      |      |                            |      |      |      |
| DIVISION                        |     |                            |      | DIVISION CODE |      |      |      | © 3M COPYRIGHT 2011        |      |      |      |
| DO NOT SCALE DRAWING            |     |                            |      | SCALE 1/1     |      |      |      | TOLERANCES EXCEPT AS NOTED |      |      |      |
| THIRD ANGLE PROJECTION          |     |                            |      | INCHES        |      |      |      | MILLIMETERS                |      |      |      |
| INTERPRET PER ASME Y14.5 - 1994 |     |                            |      | 0 ±           |      |      |      | 0 ±                        |      |      |      |
| MAX SURFACE ROUGHNESS           |     |                            |      | 0.0 ±         |      |      |      | 0.0 ±                      |      |      |      |
| 125                             |     |                            |      | 0.00 ±        |      |      |      | 0.00 ±                     |      |      |      |
| ALL SURFACES                    |     |                            |      | 0.00 ±        |      |      |      | 0.00 ±                     |      |      |      |
| MARKED ONLY                     |     |                            |      | 0.00 ±        |      |      |      | 0.00 ±                     |      |      |      |
| ANGLES ±1°                      |     |                            |      | 0.00 ±        |      |      |      | 0.00 ±                     |      |      |      |
| CAGE NUMBER                     |     |                            |      | SIZE          |      |      |      | DRAWING NO.                |      |      |      |
| 3E106-1230 KV                   |     |                            |      | C             |      |      |      | 78-5100-2397-7             |      |      |      |
| MODEL                           |     |                            |      | DET.          |      |      |      | REV.                       |      |      |      |
| 3E106-1230 KV                   |     |                            |      | LISTS         |      |      |      | A                          |      |      |      |
| YES                             |     |                            |      | NO            |      |      |      | SHT 1 OF 1                 |      |      |      |