

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

Notes:

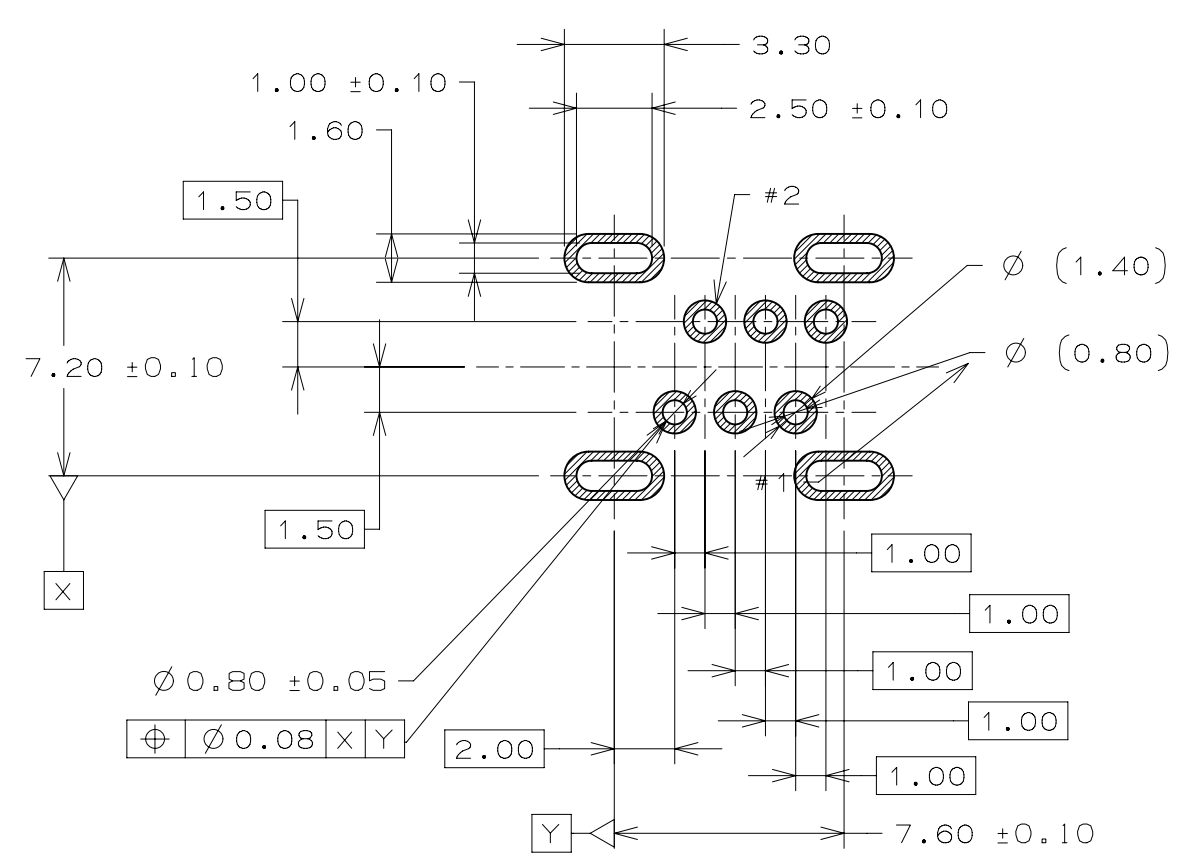
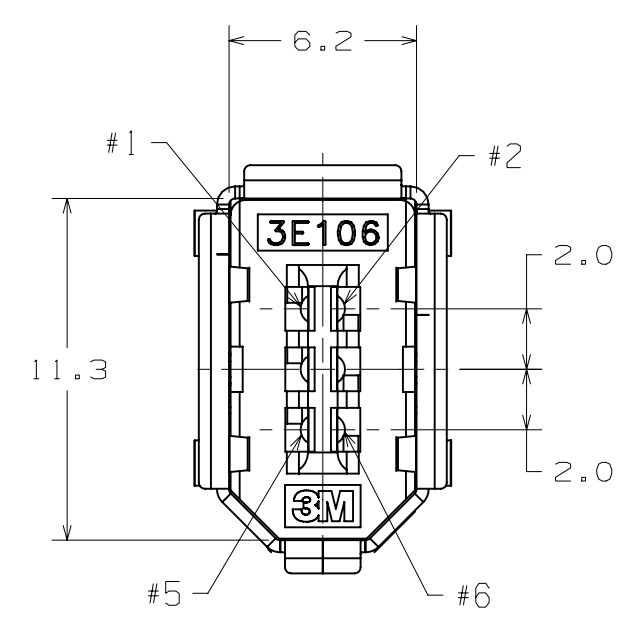
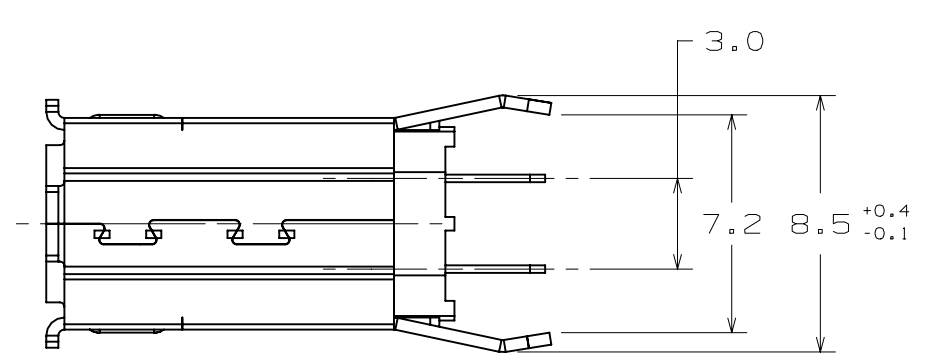
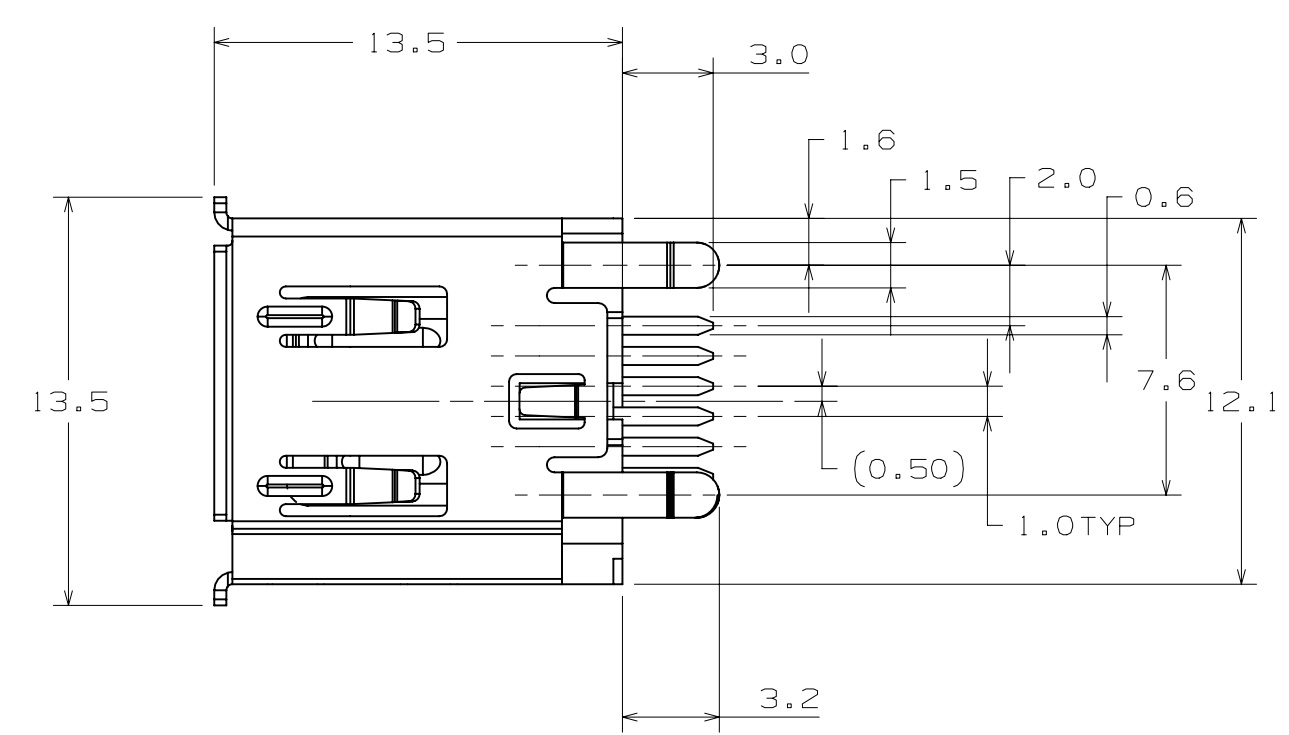
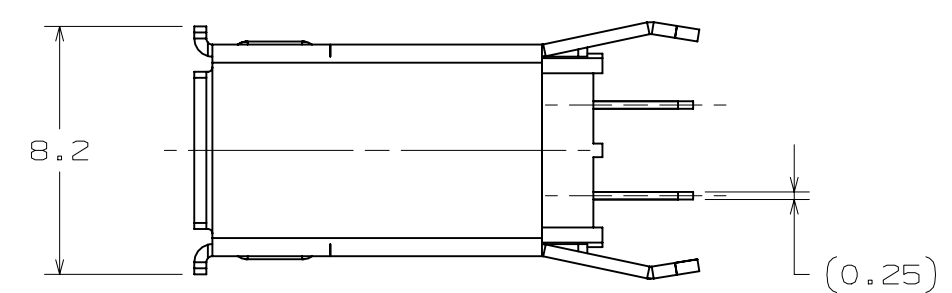
Physical:  
Insulation:  
Material: Glass Reinforced Polyester (PBT)  
Flammability: UL 94V-0  
Color: Black

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

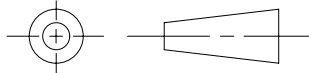
Electrical:  
Current Rating: 1 A  
Voltage Rating: 150 VAC / 200 VDC  
Insulation Resistance:  $>5 \times 10^9 \Omega$  at 500 VDC  
Withstanding Voltage: 500 VRMS for 1 minute

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   |  |  |  | REV                                                                                   |  | ECO |  | FEB 23,2011         |  |  |  | DRFT                                                                                                                                                                                                                                                                                                                    |  | CHKD |  |      |  |  |  |
| DISTRIBUTION CODES                                                                    |  |  |  |                 |  |  |  | DRFT<br>M. LAMBERT                                                                    |  |     |  | DATE<br>FEB 23,2011 |  |  |  | MFG                                                                                                                                                                                                                                                                                                                     |  |      |  | DATE |  |  |  |
|                                                                                       |  |  |  |                 |  |  |  | CHKD<br>D. CRONCH                                                                     |  |     |  | DATE<br>FEB 23,2011 |  |  |  | APPVL                                                                                                                                                                                                                                                                                                                   |  |      |  | DATE |  |  |  |
| DIVISION                                                                              |  |  |  |                 |  |  |  | DIVISION CODE                                                                         |  |     |  |                     |  |  |  | <div>3M</div> <div>3M Center<br/>St. Paul,<br/>MN 55144</div> <div>© 3M COPYRIGHT 2011<br/>This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.</div> |  |      |  |      |  |  |  |
| DO NOT SCALE DRAWING                                                                  |  |  |  | SCALE<br>1<br>1 |  |  |  | TOLERANCES EXCEPT AS NOTED                                                            |  |     |  |                     |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |      |  |      |  |  |  |
|  |  |  |  |                 |  |  |  |  |  |     |  |                     |  |  |  | <div>INCHES</div> <div>±</div> <div>±</div> <div>±</div> <div>±</div>                                                                                                                                                                                                                                                   |  |      |  |      |  |  |  |
| THIRD ANGLE PROJECTION                                                                |  |  |  |                 |  |  |  |                                                                                       |  |     |  |                     |  |  |  | <div>MILLIMETERS</div> <div>0</div> <div>±</div> <div>±</div> <div>±</div> <div>±</div>                                                                                                                                                                                                                                 |  |      |  |      |  |  |  |
| INTERPRET PER<br>ASME Y14.5 - 1994                                                    |  |  |  |                 |  |  |  |                                                                                       |  |     |  |                     |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |      |  |      |  |  |  |
| MAX SURFACE ROUGHNESS<br>125<br>✓                                                     |  |  |  |                 |  |  |  | <input type="checkbox"/> ALL SURFACES                                                 |  |     |  |                     |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |      |  |      |  |  |  |
| <input checked="" type="checkbox"/> MARKED ONLY                                       |  |  |  |                 |  |  |  |                                                                                       |  |     |  |                     |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |      |  |      |  |  |  |
|                                                                                       |  |  |  |                 |  |  |  | ANGLES ± 1°                                                                           |  |     |  |                     |  |  |  |                                                                                                                                                                                                                                                                                                                         |  |      |  |      |  |  |  |
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