勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw



3M™ Input/Output Interconnect System 2.0 mm for IEEE 1394

3M now offers an addition to its family of I/O connectors that conforms to the popular IEEE 1394 - 1995 standard, often used in machine vision and industrial control applications. The IEEE 1394 compatible connector system consists of an assortment of six-pin shielded I/O connectors and accessories. Built around a robust ribbon style contact interface for reliable repetitive plug/unplug applications, the product's contact is capable of carrying either signal or power, allowing designers flexibility in the location of power supplies to peripheral devices.

3M IEEE 1394 compatible connectors come in a variety of sizes and configurations:

Boardmount/Wiremount	Configuration	Part Number	Tech Sheet
Boardmount	Straight (Vertical) Through-Hole Plug (Male)	3E106-1230-KV	TS-2397
Boardmount	Right Angle Upright Through-Hole Plug (Male)	3E106-2220 KV	TS-2294
	Right Angle Horizontal Through-Hole Plug (Male)	3E106-0220 KV	TS-2295
Wiremount	Receptacle (Female)	3E206-0100 KV	TS-2296
	Shell Kit for Receptacle	3E306-3200-008	TS-2297

Fast Facts:

- Suitable for use in challenging environments, such as a factory production floor
- Robust ribbon style contact for reliable, repetitive plugging
- All connectors feature 360 degree shielding for excellent EMI protection
- Contacts can carry signal or power (up to 1A per pin)
- Vibration resistant
- Quick release latch system for connection security and ease of use
- Multiple product configurations for design flexibility
- Polarized to ensure proper cable insertion
- Shell kits contain integrated strain relieving cable clamp
- Wiremount products feature solder termination for quick assembly
- Wiremount receptacle accommodates up to AWG 18 wire
- RoHS compliant*



3M™ I/O Connectors, Boardmount, Right Angle, Upright and Straight, Vertical



3M™ I/O Connectors, Boardmount, Right Angle, Horizontal



3M™ I/O Connectors, Wiremount Receptacle and Shell Kit

Related Products:



3M™ Shielded Compact Ribbon Connectors



3M™ Mini Delta Ribbon (MDR) Connectors



3M™ Mini Delta Ribbon (MDR) Cable Assemblies



3M™ Mini-Clamp Connectors



3M™ Shrunk Delta Ribbon (SDR) Connectors

*"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

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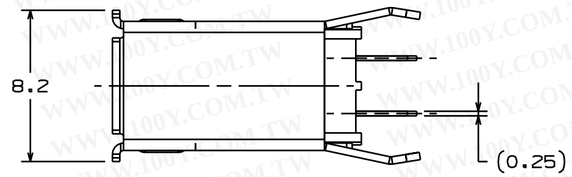
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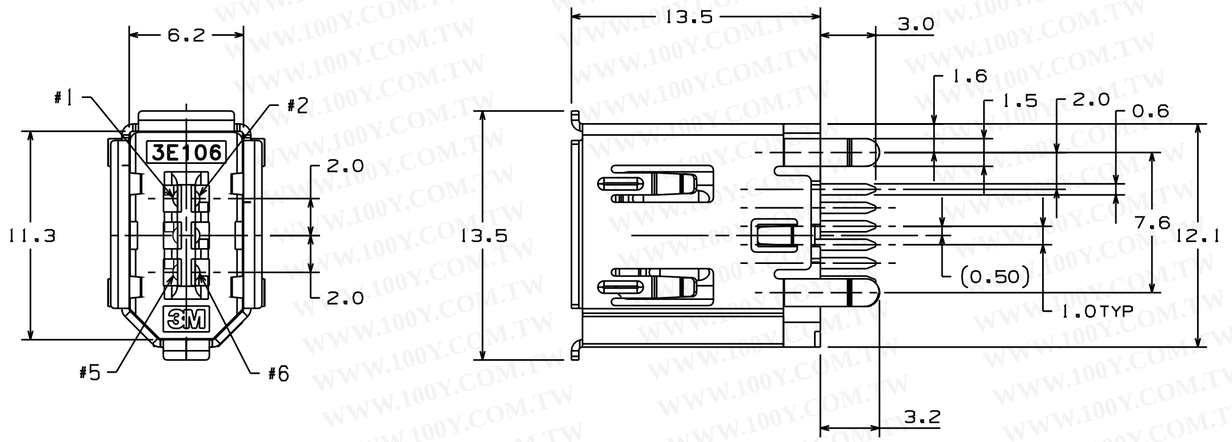
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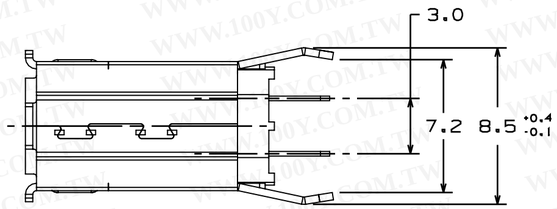
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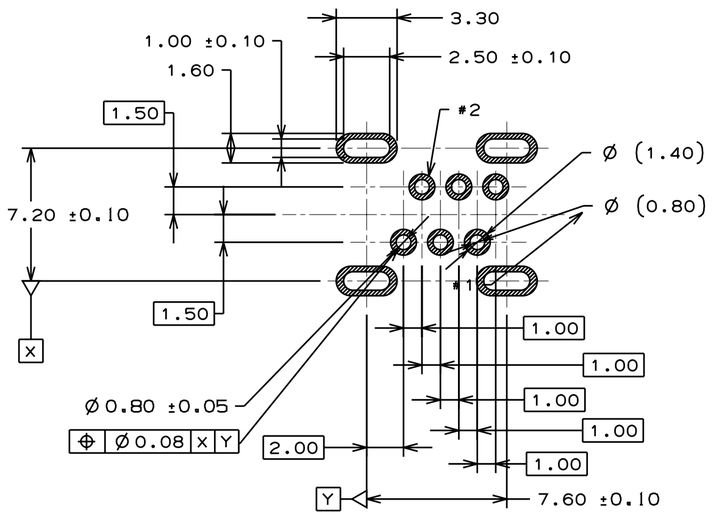
3M™ I/O INTERCONNECT SYSTEM 2.0mm FOR IEEE 1394 3E106 SERIES
STRAIGHT (VERTICAL) THROUGH-HOLE PLUG MALE

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

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 $10^8\Omega$ at 500 VDC
- Withstanding Voltage: 500 VRMS for 1 minute

Environmental:
- Temperature Rating: -55° C to +85° C

Ordering Information: 3E106-1230 KV

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
A		FEB 23,2011		

DESIGN REFERENCE NEXT ASSEMBLY

DISTRIBUTION CODES

DRFT W. LAMBERT — DATE FEB 23,2011 — MFG — DATE

CHKD D. CRONCH — DATE FEB 23,2011 — APPVL — DATE

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DIVISION CODE

DO NOT SCALE DRAWING — SCALE 1/1

TOLERANCES EXCEPT AS NOTED

INCHES
.0 ±
.00 ±
.000 ±
.0000 ±

MILLIMETERS
0 ±
.0 ±.3
.00 ±.13
.000 ±

ANGLES ±1°

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 1994

MAX SURFACE ROUGHNESS 125 √ ☐ ALL SURFACES ☒ MARKED ONLY

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TITLE
STRAIGHT (VERTICAL) THROUGH HOLE PLUG (MALE) FOR IEEE 1394

CAGE NUMBER	SIZE	DRAWING NO.	REV.
	C	78-5100-2397-7	A

MODEL 3E106-1230 KV — DET. LISTS ☐ YES ☒ NO — SHT 1 OF 1

78-5100-2397-7 DRAWING NUMBER — A REVISION