

3M™ Pak 50 Wiremount Socket

.050" Wiremount Socket for .050" Pitch Cable

P50E Series



- P50E connector terminates two separate 1.27 mm (50 mil) pitch flat ribbon cables
- Accepts 28 AWG PVC cable
- Latch/eject mechanism maintains a secure connection
- Cable strain relief standard
- Finished cable assemblies to customer specifications
- Tooling available for customer cable assembly termination
- RoHS* compliant version (EA) plating suffix available

Date Modified: March 1, 2006

TS-1143-04
Sheet 1 of 2

Physical

Insulation

Material: Glass filled LCP
Flammability: UL 94V-0
Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: Nickel
Wiping Area: .25 μm [10 μm] Gold
Termination Area: Tin-lead or gold flash (RoHS compliant)
Wire Accommodation: 28 AWG Stranded PVC Flat Ribbon Cable

Electrical

Current Rating: 0.5 A
Insulation Resistance: 10^3 M Ω min. at 500 VDC
Withstanding Voltage: 650 VAC for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

RoHS compliant means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated in writing by 3M, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.

UL File No.: E68080

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Pak 50 Wiremount Socket

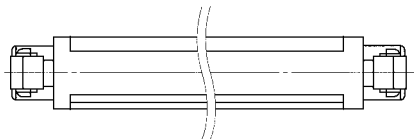
.050" Wiremount Socket for .050" Pitch Cable

P50E Series

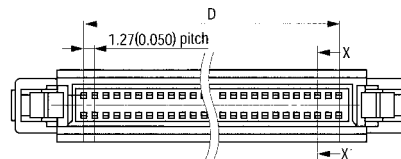
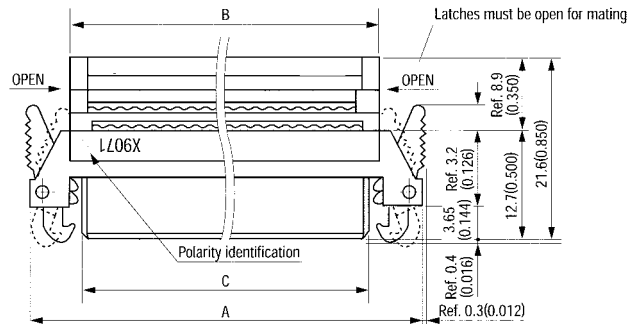
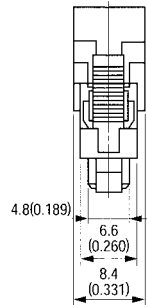
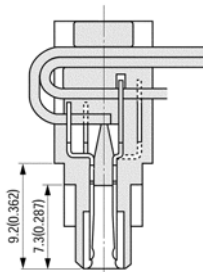
Product Table / Dimensions

| Contact Quantity | A | B | C | D |
|------------------|------------------|------------------|------------------|------------------|
| 20 | 27.83 (1.096) | 17.83 (0.702) | 15.43 (0.607) | 11.43 (0.450) |
| 26 | 31.64 (1.246) | 21.64 (0.852) | 19.24 (0.757) | 15.24 (0.600) |
| 30 | 34.18 (1.346) | 24.18 (0.952) | 21.78 (0.857) | 17.78 (0.700) |
| 32 | 35.45 (1.396) | 25.45 (1.002) | 23.05 (0.907) | 19.05 (0.750) |
| 34 | 36.72 (1.446) | 26.72 (1.052) | 24.32 (0.957) | 20.32 (0.800) |
| 40 | 40.53 (1.596) | 30.53 (1.202) | 28.13 (1.107) | 24.13 (0.950) |

| Contact Quantity | A | B | C | D |
|------------------|------------------|------------------|------------------|------------------|
| 50 | 46.88 (1.846) | 36.88 (1.452) | 34.48 (1.357) | 30.48 (1.200) |
| 52 | 48.15 (1.896) | 38.15 (1.502) | 35.75 (1.407) | 31.75 (1.250) |
| 60 | 53.23 (2.096) | 43.23 (1.702) | 40.83 (1.607) | 36.83 (1.450) |
| 68 | 58.31 (2.296) | 48.31 (1.902) | 45.91 (1.807) | 41.91 (1.650) |
| 80 | 65.93 (2.596) | 55.93 (2.202) | 53.53 (2.107) | 49.53 (1.950) |
| 100 | 78.63 (3.096) | 68.63 (2.702) | 66.23 (2.607) | 62.23 (2.450) |



X-X' Cross Section



Note: Strain relief standard.

Ordering Information

P50E - XXXS - XX

Contact Quantity
See Table

TG = 10u" [.25um] with tin-lead U slot
EA = 10u" [.25um] gold with gold flash U slot
(RoHS compliant)

Application tools: 3640 press (or equivalent), 3443-128 locator plate, 3442-126 platen.

TS-1143-04
Sheet 2 of 2

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



3M Electronics

6801 River Place Blvd.
Austin, TX 78726-9000
800/225-5373
www.3M.com/electronics

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Minimum 10%
Post-Consumer Fiber

Printed in USA.

© 3M 2006

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9