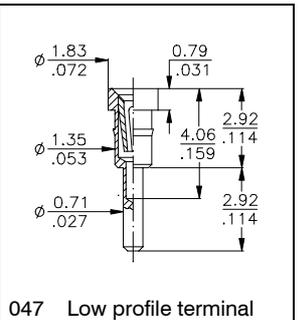
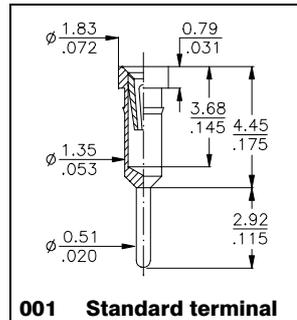


SIB Series
SIB-1xx-Sxxx-xx
Number of contacts
standard breakable
available

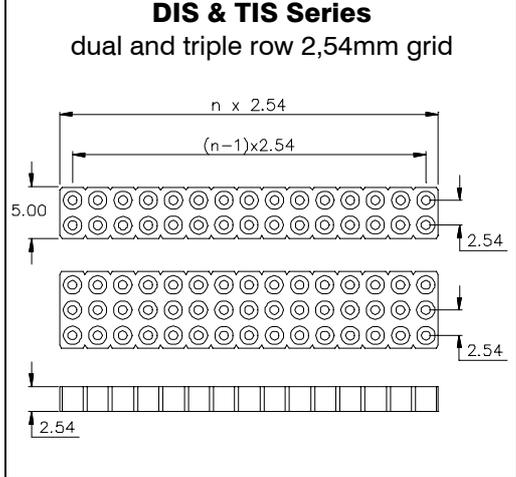
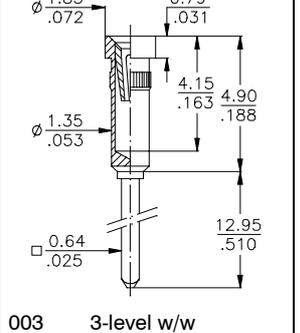
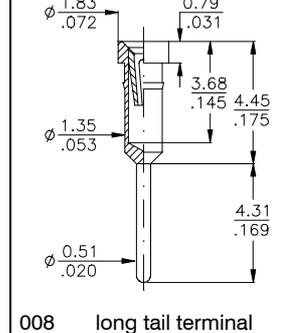
20; 32 and 40



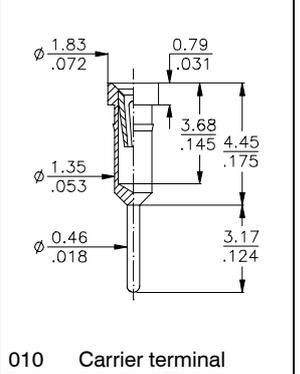
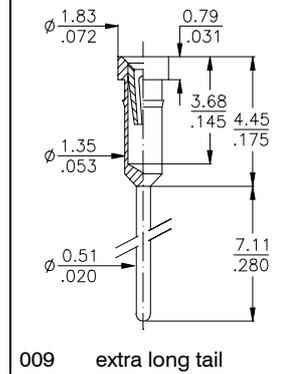
Unless otherwise specifically requested, the strips will be delivered either in solid or breakable plastic depending on availability of the insulator bodies.

Number of contacts
either breakable or
solid available

02 to 40



DIS Series
DIS-2xx-Sxxx-xx
Number of contacts
available
from **04 to 80**



TIS Series
TIS-3xx-Exxx-xx
Number of contacts
available
from **06 to 96**

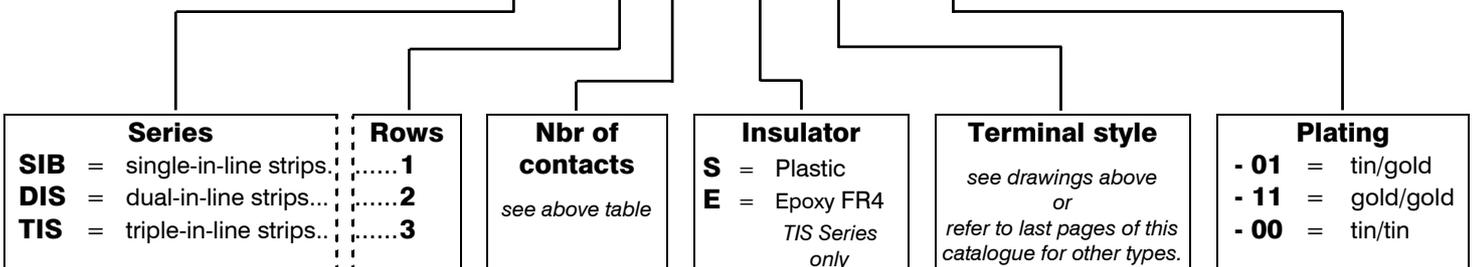
Strips
Other lengths & pin-outs available on request.

Specifications
See page 71
of this catalogue

Terminals
For other terminal styles please refer to the last pages of this catalogue or contact your closest sales office.

How to order

XXX - XXX - XXX - XX

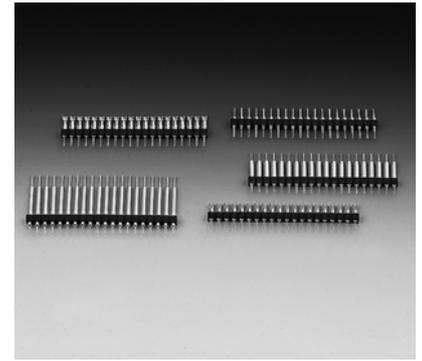


SIB/DIS/TIS Series - Adapter Strips

2,54mm pitch



| Board to Board Terminals | | |
|--------------------------|---|------------|
| <p>077</p> | <p>057</p> | <p>037</p> |
| <p>058</p> | <p>059</p> | <p>056</p> |
| <p>542</p> | <p>038</p> | <p>353</p> |
| <p>036</p> | <p>Many other terminals & custom specific terminal styles are available on request, or see the last pages of this catalogue.</p> | |



Application Examples

Possible Terminals:
037; 056; 057; 058; 059; 077
220; 221; 542; 543; 544; 562
770;

Possible Terminals:
037; 056; 057; 058; 059; 077
542; 544; 562; 770

How to order

XXX - x xx - X xxx - xx

| | | | | | |
|--|---|---|---|--|---|
| <p>Series</p> <p>SIB = single-in-line strips. DIS = dual-in-line strips... TIS = triple-in-line strips..</p> | <p>Rows</p> <p>..... 1 2 3</p> | <p>Nbr of contacts</p> <p>see socket strip page.</p> | <p>Insulator</p> <p>S = Plastic E = Epoxy FR4 <i>(TIS Series only)</i></p> | <p>Terminal style</p> <p>see drawings above or refer to last pages of this catalogue for other types.</p> | <p>Plating</p> <p>- 22 = gold - 00 = tin</p> |
|--|---|---|---|--|---|

General Specifications for Precision Pin Sockets

Mechanical data

| | |
|---|------------------------------------|
| Average forces for available clip types: | |
| Standard type | 1.80N insertion / 0.90N extraction |
| Low force type | 0.70N insertion / 0.25N extraction |
| Super low force type | 0.40N insertion / 0.15N extraction |
| High force type | 4.00N insertion / 2.50N extraction |
| „Jumbo“ contact | 1.40N insertion / 0.25N extraction |
| Other clips and forces available on request | |
| Contact life | min. 100 cycles |
| Solder ability | exceeds MIL-STD-202 Method 208 |
| Water absorption during 24hrs at 20°C PBT / PPS | 0.05% |
| FR4 Epoxy | 0.15% |

Operating temperature (standard) -65°C to +150°C

Soldering temperature

| | |
|------------------|--------------------------|
| Standard PBT | +175°C min. for 10 sec. |
| Hi-temp PPS, LCP | +260°C min. for 10 sec |
| Epoxy FR4 | +220°C min. for 10 sec.. |

Electrical data

| | |
|--|----------------------------|
| Contact resistance at 1A | 4,3 mΩ typ. |
| Current rating (except „Jumbo“ contact) | 1A max. |
| „Jumbo“ contact | 3A max. |
| Contact capacitance at 1MHz | 2pF max. |
| Insulation resistance at 500V DC for std & hi-temp | 5 × 10 ⁹ Ω min. |
| Insulation resistance at 500V DC for FR4 Epoxy | > 10 ⁴ MΩ |
| Breakdown voltage at 60 Hz | 500 V AC min. |
| Contact resistance after 1000 ins./ext. cycles | ≤ 7 mΩ |

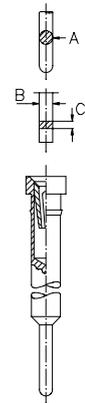
Material

| | |
|--------------------|-------------------------------------|
| Standard insulator | Glass filled polyester UL 94 V-O |
| Hi-temp insulator | PPS, UL 94 V-0 |
| Epoxy insulator | Glass Epoxy FR 4, UL 94 V-0 |
| Terminal | CuZn |
| Contact | BeCu |

Male pin dimensions for standard clip (except „Jumbo Contact“)

(DIN 41 870, IEC 191 for square IC-legs)

| DIM | min. | max. |
|-------|----------------------|----------------------|
| „A“ ∅ | <u>0.42</u> .016" | <u>0.56</u> .022" |
| „B“ □ | <u>0.36</u> .014" | <u>0.55</u> .023" |
| „C“ □ | <u>0.20</u> .008" | <u>0.30</u> .014" |



General information concerning the E-tec interconnect products

Plating:

Standard tin plating:
Min. 4,00μm SnPb (90/10) over min. 1,30μm Ni

Standard gold plating:
flash, max. 0,10μm Au over min. 1,30μm Ni
Higher gold platings are offered on request

Specifications:

The data contained in this catalog is of general nature and refers to standard products. For example a „Current rating“ at an ambient temperature of 25° C reflects the value per individual contact. Should you require any further data or test reports, you can obtain this information from your nearest E-tec sales office.

The E-tec connectors conform with signal integrity requirements at high data and frequency rates. However we cannot offer a general information about the max. frequency or data transmission rate. For such a statement, it would require more information about the chosen configuration and pin-out, the length of the cable and/or any other specific requirements regarding the application itself and its related signal integrity.

E-tec SMT connectors, male or female, are offered with a coplanarity of max. 0,10mm

They are adapted to all modern SMT soldering processes and they can be handled easily with all currently existing placing techniques. Customers may choose between various packaging options, such as tray, tube and tape & reel.

GENERAL POLICY

All information contained in this catalog, including illustrations, specifications and dimensions are accurate to the best of our knowledge, and reflect the status as at the date of publication. Due to technical progress, it is subject to change without notice. Application information is informational in nature and shall not be construed to warrant suitability of products for any particular purpose as performance may vary with the conditions encoured. Unless otherwise confirmed at the time of order. All E-tec products are non cancellable - non returnable items (NCNR). E-tec's products are warranted for 30 days and the warranty is limited strictly to replacement of products with defective workmanship.