



Features and Benefits

The "S" series KATT insulation displacement contact (IDC) terminal block is a low profile connector which is ideal for manufacturers of professional electronic, data communications and computer peripheral equipment.

High corrosion resistance is maintained by the gas-tight contacts which were designed for fast and reliable PCB mounting and will accommodate 22-26 AWG (0.4 - 0.63mm) solid or stranded wire without the need to wire strip or solder. The contacts may be reterminated up to 200 times in line with BT specification D2920. Patented retention devices prevent the connector body from separating from the contacts without the need for additional heat staking operations.

The connector body is manufactured from a flame retardant material and is available with optional retention posts to reduce fixturing requirements during flow/wave soldering. The mating face of the block is either unmarked or optionally, pair identification can be provided with colour coding or numbering (subject to minimum order quantities).

- Available in 2 pair(4 pos), 3 pair(6 pos) and 4 pair(8 pos)
- IDC contact accepts 2 wires for daisy chaining applications
- Low wire insertion force reduces the risk of PCB damage
- Optional markings for circuit identification
- No heat-staking required
- 0.75mm PCB hole allows more tracks between pad
- Solder tail length compatible with industry standard 1.6mm PCB
- EIA 568A Annex A, ISO 11801 Annex B and EN 50173 Annex B compliant

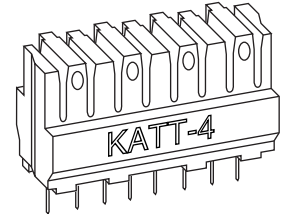
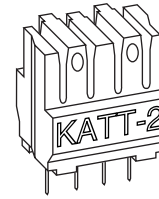
Applications

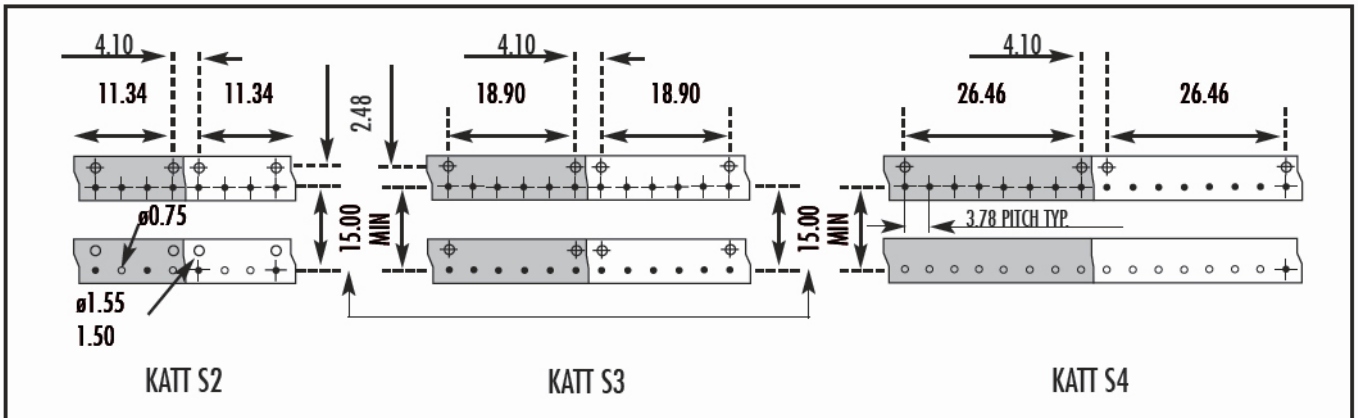
Communications: Voice and Data:
Low voltage Systems: Electronic Equipment:

Technical Information

Mechanical Characteristics

| | |
|---|--|
| Wire Accommodation | |
| Size: | 1.4mm OD |
| Types of Plastic insulation: | PVC, IPVC, Polyethylene, Polypropylene, PTFE, Polyurethane, Polyolefin & Nylon |
| Terminations | |
| Solid wire ranges: | 22 - 26 AWG (0.4 - 0.63mm) |
| Limiting OD: | 1.4mm |
| Reterminations: | 200 |
| Stranded wire ranges: | (7 strands) 22 - 26 AWG |
| Limiting OD: | 1.4mm |
| Reterminations: | 200 |
| Block Termination: Wave / solder to 0.8mm or 1.6mm PCB | |
| Soldering temperature: Max 260°C | |
| Soldering time: Max 4 Sec | |
| Wire termination: Insulation displacement (Gas Tight) | |
| Wire insertion force: 50N typical | |
| Wire pull out force: 45N typical | |
| Materials | |
| Plastic Housing: | UL 94 V0 Rated Thermoplastic |
| Contact Material: | Phosphor Bronze |
| IDC contact Plating: | Sn \ Pb |
| Electrical/Optical Characteristics | |
| Interface Resistance: | 20mΩ |
| dielectric Strength: | 1.5 kV RMS @ 60 Hz |
| Insulation Resistance: | Better than 10 |
| Termination: | |
| Typical: | < .5 m |
| Guaranteed: | < 5 m |
| Environmental | |
| Temperature Range: | |
| Storage: | -40 to +70°C |
| Operational: | -10 to +60°C |
| Humidity: | 95% Max |
| Transmission Data | |
| Insertion Loss (Attenuation): <0.1dB 1-100 MHz | |
| Worst Pair Near End Crosstalk (NEXT): <-45dB 1-100MHz | |
| Height (Above PCB): 12.6mm Max. | |
| Width | |
| | 16.75mm Max. type (S2) |
| | 24.06mm Max. type (S3) |
| | 32mm Max. type (S4) |
| Depth 7.2mm | |
| Solder Tail Length 2.4mm | |





ORDERING INFORMATION

| Order No. | Description |
|-------------|---|
| 36.A0770 | White, 2 Pair (4 Pos) KATT S2, Solder Tail, unmarked, with retention posts |
| 36.A0780 | White, 2 Pair (4 Pos) KATT S2, Solder Tail, Green & Brown, with retention posts |
| 36.A0690 | White, 2 Pair (4 Pos) KATT S2, unmarked, without retention posts |
| 36.A0700 | White, 2 Pair (4 Pos) KATT S2, Brown & Green, without retention posts |
| 36.A0710 | White, 2 Pair (4 Pos) KATT S2, Blue & Orange, without retention posts |
| 36.A0740 | White, 4 Pair (8 Pos) KATT S4, unmarked, without retention posts |
| 36.A0750 | White, 4 Pair (8 Pos) KATT S4, Brown, Green, Orange & Blue, without retention posts |
| 36.A0760 | White, 4 Pair (8 Pos) KATT S4, Blue, Orange, Green & Brown, without retention posts |
| 36.A0870 | White, 4 Pair KATT S2, Green, Orange, Blue & Brown without retention posts |
| 36.A0880 | White, 4 Pair KATT S4, Green, Orange, Blue & Brown without retention posts |
| 36.A0790 | White, 2 Pair (4 Pos) KATT S2, Solder Tail, Blue & Orange, with retention posts |
| 36.A0820 | White, 4 Pair (8 Pos) KATT S4, Solder Tail, unmarked, with retention posts |
| 36.A0830 | White, 4 Pair (8 Pos) KATT S4, Solder Tail, Brown, Green, Orange & Blue, with retention |
| 36.A0840 | White, 4 Pair (8 Pos) KATT S4, Solder Tail, Blue, Orange, Green & Brown, with retention |
| 36.A0900 | White, 3 Pair (6 Pos) KATT S3, unmarked, without retention posts |
| 36.A0920 | White, 3 Pair (6 Pos) KATT S3, Solder Tail, unmarked, with retention |
| 14-0202-001 | White, Stuffer Caps, minimum Quantity 100 |

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