**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

**Technical Specification**

- 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

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**Order No.**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grey, 4 Pair (8 Pos) KATT S4, unmarked, without retention posts</td>
</tr>
<tr>
<td>Grey, 2 Pair (4 Pos) KATT S2, unmarked, without retention posts</td>
</tr>
<tr>
<td>Grey, 2 Pair (4 Pos) KATT S2, Brown &amp; Green, without retention posts</td>
</tr>
<tr>
<td>Grey, 2 Pair (4 Pos) KATT S2, Blue &amp; Orange, without retention posts</td>
</tr>
<tr>
<td>Grey, 4 Pair (8 Pos) KATT S4, Brown, Green, Orange &amp; Blue, without retention posts</td>
</tr>
<tr>
<td>Grey, 4 Pair (8 Pos) KATT S4, Blue, Orange, Green &amp; Brown, without retention posts</td>
</tr>
<tr>
<td>Grey, 3 Pair (6 Pos) KATT S3, unmarked, without retention posts</td>
</tr>
<tr>
<td>White, 2 Pair (4 Pos) KATT S2, unmarked, without retention posts</td>
</tr>
<tr>
<td>White, 2 Pair (4 Pos) KATT S2, Brown &amp; Green, without retention posts</td>
</tr>
<tr>
<td>White, 2 Pair (4 Pos) KATT S2, Blue &amp; Orange, without retention posts</td>
</tr>
<tr>
<td>White, 4 Pair (8 Pos) KATT S4, unmarked, without retention posts</td>
</tr>
<tr>
<td>White, 4 Pair (8 Pos) KATT S4, Brown, Green, Orange &amp; Blue, without retention posts</td>
</tr>
<tr>
<td>White, 4 Pair (8 Pos) KATT S4, Blue, Orange, Green &amp; Brown, without retention posts</td>
</tr>
<tr>
<td>White, 3 Pair (6 Pos) KATT S3, unmarked, without retention posts</td>
</tr>
</tbody>
</table>
FEATURES AND SPECIFICATIONS

KATT “S” Series
Terminal Block

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

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

Electrical Data
Dielectric Strength: 1.5 kV RMS @ 60 Hz
Insulation Resistance: Better than 10
Terminals:
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

Mechanical Data
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
Contact Material: Phosphor Bronze
IDC contact Plating: Sn / Pb

Order No. Description
36.A0340 Grey, 2 Pair (4 Pos) KATT S2, unmarked, with retention posts
36.A0350 Grey, 2 Pair (4 Pos) KATT S2, Brown & Green, with retention posts
36.A0360 Grey, 2 Pair (4 Pos) KATT S2, Blue & Orange, with retention posts
36.A0370 Grey, 4 Pair (8 Pos) KATT S4, unmarked, with retention posts
36.A0380 Grey, 4 Pair (8 Pos) KATT S4, Brown, Green, Orange & Blue, with retention posts
36.A0390 Grey, 4 Pair (8 Pos) KATT S4, Blue, Orange, Green & Brown, with retention posts
36.A0910 Grey, 3 Pair (6 Pos) KATT S3, unmarked, with retention posts
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.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, Green, Orange, Blue & Brown, with retention posts
36.A0840 White, 4 Pair (8 Pos) KATT S4, Solder Tail, Blue, Orange, Green & Brown, with 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

MOLEX PREMISE NETWORKS

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This information is correct as at the time of publication, specifications are subject to change.