

**TIGER  
EYE**  
DISCRETE

(2.00 mm) .0787"

S2SD-10-24-L-05.00-DS

S2SD-30-24-L-05.00-S

**S2SD, S2SDT SERIES**

# TIGER EYE™ CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?S2SD](http://www.samtec.com?S2SD) or [www.samtec.com?S2SDT](http://www.samtec.com?S2SDT)

### Insulator Material:

Black LCP

### Contact Material:

BeCu

### Plating:

Au over 50 μ" (1.27 μm) Ni

### Wire:

24, 26, 28 or 30 AWG

### Operating Temp Range:

-10 °C to +105 °C (PVC)

-40 °C to +125 °C (\*Teflon®)

### Current Rating

(S2SD-24/T2M):

3.8 A per pin

(2 pins powered)

### Voltage Rating:

250 VAC

### RoHS Compliant:

Yes

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

Mates with:

T2M

**TIGER  
EYE**  
CONTACT

Choice of  
PVC or  
Teflon®  
cable

24, 26, 28  
or 30 Wire  
gauge

Optional  
screw down

**RUGGEDIZED**  
BY SAMTEC

- Tiger Eye™ contacts
- Retention latches

## COMPONENTS

- For body, see [www.samtec.com?ISD2](http://www.samtec.com?ISD2)
- For contacts, see [www.samtec.com?CC81L](http://www.samtec.com?CC81L) or [www.samtec.com?CC81R](http://www.samtec.com?CC81R)

## ALSO AVAILABLE (MOQ Required)

- Other sizes

## APPLICATION

| -24C CABLE<br>COLOR CODING |        |
|----------------------------|--------|
| PIN                        | COLOR  |
| 1                          | BROWN  |
| 2                          | RED    |
| 3                          | ORANGE |
| 4                          | YELLOW |
| 5                          | GREEN  |
| 6                          | VIOLET |
| 7                          | GRAY   |
| 8                          | WHITE  |
| 9                          | BLACK  |
| 10                         | BLUE   |
| ETC                        | REPEAT |

### Notes:

For wiring option information refer to drawing on web.

Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications.

Some lengths, styles and options are non-standard, non-returnable.

| TYPE                                                                   | PINS PER ROW                                                            | WIRE GAUGE                                     | PLATING OPTION                             | ASSEMBLED LENGTH                                            | END OPTION                                                                                                                                                                         | END 2 OPTION                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S2SD</b><br>= Double Row<br>PVC Cable                               | -05,<br>-07,<br>-10,<br>-15,<br>-20,<br>-25,<br>-30<br>(Standard sizes) | -24<br>-24C<br>= Color Coded Cable (S2SD only) | -L<br>= 10 μ" (0.25 μm)<br>Gold on contact | - "XX.XX"<br>= Wire Length in Inches (69.85 mm) 02.75" min. | -S<br>= Single End<br><br>-D<br>= Double End                                                                                                                                       | (Only available with -D, -DR & -DS)<br><br>-NUS<br>= Notch up, straight (Pin 1 to Pin N-1)<br><br>-NDS<br>= Notch down, straight (Pin 1 to Pin 2)<br><br>-NUX<br>= Notch up, crossed (Pin 1 to Pin N)<br><br>-NDX<br>= Notch down, crossed (Pin 1 to Pin 1) |
| <b>S2SDT</b><br>= Double Row<br>*Teflon® Cable (24, 28, 30 Gauge only) |                                                                         |                                                |                                            |                                                             | Specify "S" for single ended and "D" for double ended.<br>- (X)R<br>= Retention Latch (-SR mates with T2M-WT)<br>- (X)S<br>= Screw Down (10 positions minimum) (mates with T2M-DS) |                                                                                                                                                                                                                                                             |

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.