

# Discrete Wire IDC

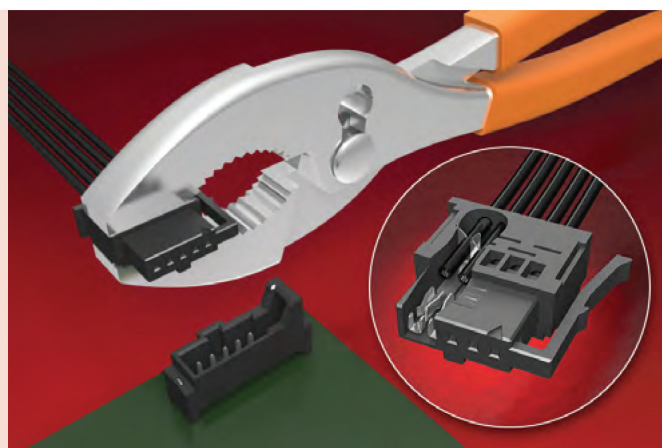
## Cable Socket & Header

The 2,00 mm (.0787") pitch discrete wire IDC system is designed for a high reliability connection and ease of discrete wire termination in field applications. Available as an IDC connector only, this system eliminates the expense and need for special tooling, as well as any additional cost to purchase and inventory separate parts including bodies, contacts, etc. This system is ideal for industrial applications including testing and maintenance.

The system includes a cable socket connector (I2SS Series) and a mating board level header (T2I Series). The cable socket connector accepts 24 AWG discrete wires, which are held in place by the connector and then terminated with standard flat jaw pliers. The board level header is a single row configuration with through-hole termination for increased stability on the board.

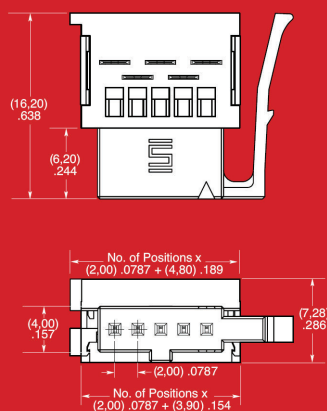
### Features:

- Connector only, customer assembly
- No special tooling required
- Available in 2, 3, 4 or 5 positions
- Accepts 24 AWG (O.D. .056"  $\pm$  .003") discrete wires
- Standard single end latch for locking
- Applications: I/O, controls, factory automation, instrumentation, measurement equipment

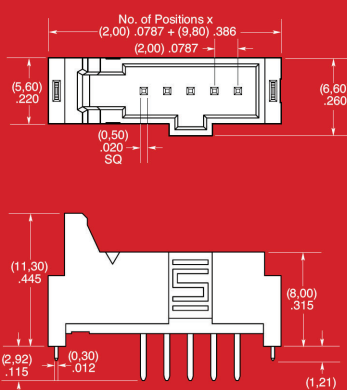


### Connectors

#### Cable Socket: I2SS



#### Header: T2I



### Tooling

#### No special tooling required

Samtec offers a full line of discrete wire systems and is uniquely positioned as a full support supplier of discrete wire products, from components and tooling to complete cable assemblies. Samtec offers components in a variety of pin counts, bodies and options, as well as loose or full reel contacts and terminals. Hand tools and mini applicators are available for customer assembly production. The full line of discrete wire products includes standard cable assemblies with thousands of options available for maximum flexibility, as well as extended capabilities to create a custom solution for any design challenge.

For more Discrete Wire Solutions, please contact Toby

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T2I-02-VT-T-S-TH



T2I-05-VT-T-S-TH



I2SS-05-24-T

(2.00 mm) .0787"

I2SS, T2I SERIES

# DISCRETE WIRE IDC SYSTEM

Mates with:

T2I

## SPECIFICATIONS

**Insulator Material:**

Black Nylon

**Contact Material:**

Phosphor Bronze

**Plating:**Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni**Operating Temp Range:**

-55 °C to +105 °C

(connector only)

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes

## RECOGNITIONS

**Note:**

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

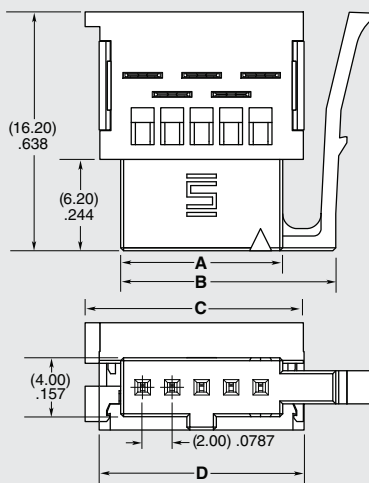
I2SS

NO. OF  
POSITIONS

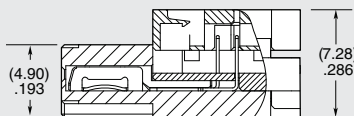
WIRE GAUGE

PLATING  
OPTION

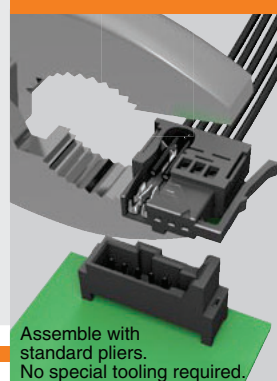
-02, -03, -04, -05

-24  
= 24 AWG-T  
= Matte Tin

NO. OF POSITIONS	A	B	C	D
-02	(5.00) .197	(8.50) .335	(8.80) .346	(7.90) .311
-03	(7.00) .276	(10.50) .413	(10.80) .425	(9.90) .390
-04	(9.00) .354	(12.50) .492	(12.80) .504	(11.90) .469
-05	(11.00) .433	(14.50) .571	(14.80) .583	(13.90) .547



## APPLICATION

Assemble with standard pliers.  
No special tooling required.

Mates with:

I2SS

## SPECIFICATIONS

**Insulator Material:**

Black LCP

**Contact Material:**

Phosphor Bronze

**Plating:**Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni**Operating Temp Range:**

-55 °C to +105 °C

(connector only)

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes

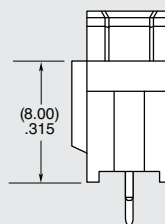
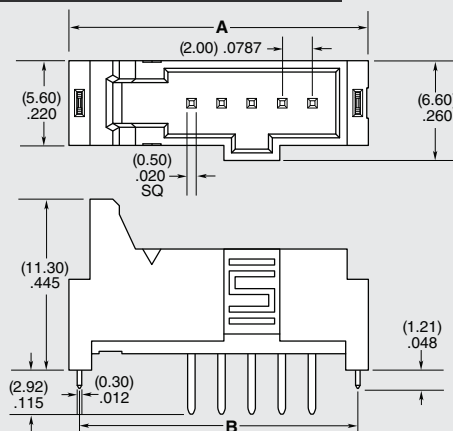
T2I

NO. OF  
POSITIONSLEAD  
STYLEPLATING  
OPTION

ROW

TAIL  
OPTION

-02, -03, -04, -05

-VT  
= Vertical-T  
= Matte Tin-S  
= Single Row-TH  
= Through-hole

NO. OF POSITIONS	A	B
-02	(13.80) .543	(12.40) .488
-03	(15.80) .622	(14.40) .567
-04	(17.80) .701	(16.40) .646
-05	(19.80) .780	(18.40) .724

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

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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.