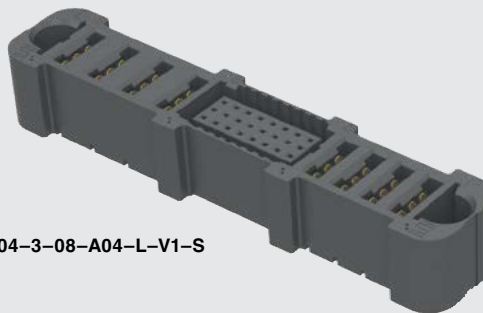




**POWER™ EXTreme**  
**STRIP Ten60**

ET60S-D04-3-08-A04-L-V1-S



# EXTreme Ten60Power™ SOCKET

Mates with:  
ET60T

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ET60S](http://www.samtec.com?ET60S)

**Insulator Material:**  
Black LCP

**Terminal Material:**  
Signal: Copper Alloy  
Power: Copper Alloy

**Plating:**

Au or Sn over  
50 μm (1.27 μm) Ni

**Current Rating:**

Power: 60 A per blade  
(2 pins powered)

Signal: 2.8 A per pin  
(6 pins powered)

**Operating Temp Range:**

-40 °C to +105 °C

**Voltage Rating:**

280 VAC

**RoHS Compliant:**  
Yes

## PROCESSING

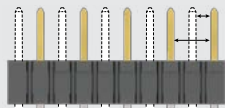
**Lead-Free Solderable:**  
Yes

## RECOGNITIONS

For complete scope of  
recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



## CREEPAGE AND CLEARANCE



Selectively loading  
contacts achieves customer  
specific creepage and  
clearance requirements.  
Contact [asp@samtec.com](mailto:asp@samtec.com)

**Notes:**

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

EXTreme Ten60Power™  
is a trademark of Molex  
Incorporated and is dual  
sourced by Molex®

ET60S

POWER  
OPTION (RIGHT)

ROWS

SIGNAL POSITIONS  
PER ROW

-AXX

= AC Power Positions  
(-02, -03, -04, -05, -06 positions only)

-DXX

= DC Power Positions  
(-02, -03, -04, -05, -06, -07,  
-08, -09, -10 positions only)

-SXX\*

= Split Power

-000

= No Power

-0  
= No Signal

-3  
= 3 Rows

-5  
= 5 Rows

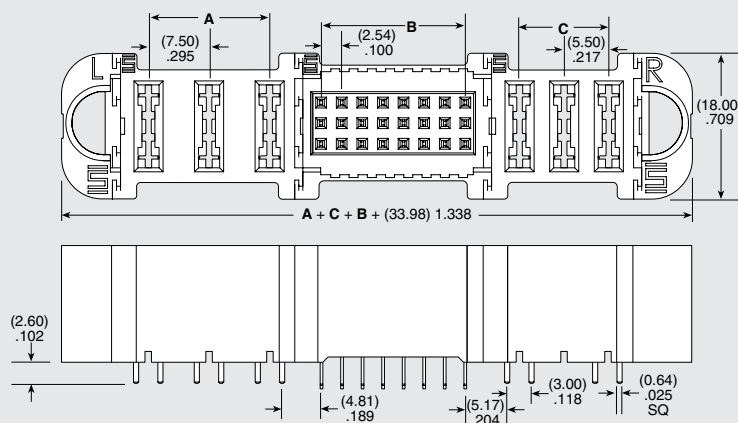
-00  
= No Signal

-08  
= 3 Row only

-01, -02, -03, -04,  
-05, -06, -07, -08  
= 5 Row only

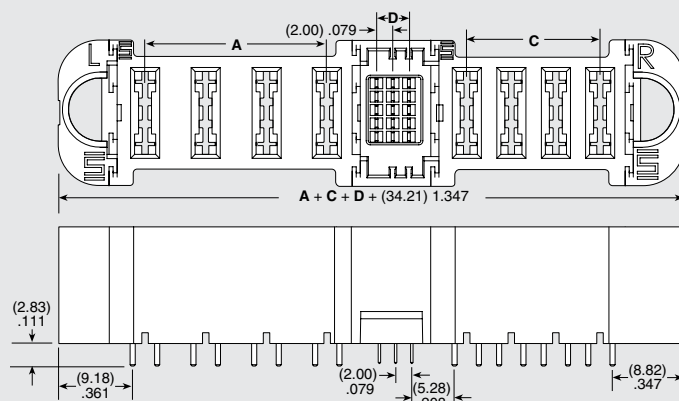
Note:

-SXX\* & -T\* are Preliminary



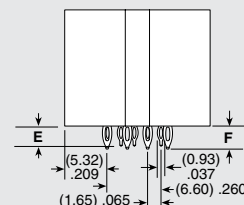
ET60S-D03-3-08-A03-X-V1-S

| POWER POSITIONS (LEFT) | POWER POSITIONS (RIGHT) | A<br>AC POWER | C<br>DC POWER |
|------------------------|-------------------------|---------------|---------------|
| -02                    | -02                     | (7.50) .295   | (5.50) .217   |
| -03                    | -03                     | (15.00) .591  | (11.00) .433  |
| -04                    | -04                     | (22.50) .886  | (16.50) .650  |
| -05                    | -05                     | (30.00) 1.181 | (22.50) .886  |
| -06                    | -06                     | (37.50) 1.476 | (27.50) 1.083 |
| -07                    | -07                     | N/A           | (33.00) 1.299 |
| -08                    | -08                     | N/A           | (38.50) 1.516 |
| -09                    | -09                     | N/A           | (44.00) 1.732 |
| -10                    | -10                     | N/A           | (49.50) 1.949 |



ET60S-D04-5-03-A04-X-VP-S

| TAIL | 3 ROWS      |             | 5 ROWS      |             |
|------|-------------|-------------|-------------|-------------|
|      | E           | F           | E           | F           |
| -VP  | (3.28) .129 | (2.83) .111 | (2.83) .111 | (2.50) .098 |
| -V1  |             | (2.60) .102 | N/A         |             |



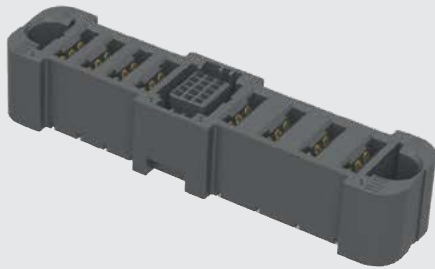
Due to technical progress, all designs, specifications and components are subject to change without notice.

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

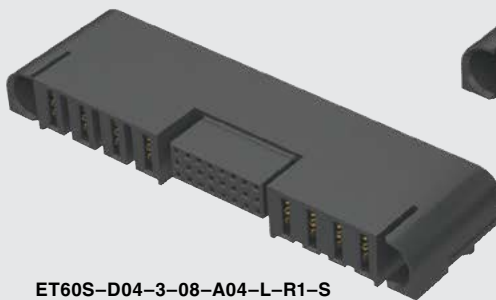
All parts within this catalog are built to Samtec's specifications.

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

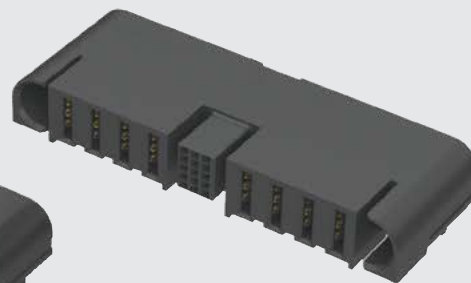
ET60S-A04-5-03-D04-L-VP-S



ET60S-D04-3-08-A04-L-R1-S



ET60S-D04-5-03-A04-S-R1-S



## ET60S SERIES

### POWER OPTION (LEFT)

#### -AXX

= AC Power Positions  
(-02, -03, -04, -05, -06 positions only)

#### -DXX

= DC Power Positions  
(-02, -03, -04, -05, -06, -07, -08, -09, -10 positions only)

#### -SXX\*

= Split Power

#### -000

= No Power

#### Note:

-SXX\* & -T\* are Preliminary

### PLATING

#### -L

= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact,  
Matte Tin on tail  
(Not available for 5 rows)

#### -S

= 30  $\mu$ " (0.76  $\mu$ m) Gold on contact,  
Matte Tin on tail

### TAIL

#### -VP

= Vertical Press-fit

#### -V1

= Vertical through-hole  
(Use with (1.60 mm) .062" thick card)  
(-0 and -3 Row only)

#### -R1

= Right-angle through-hole  
(Use with (1.60 mm) .062" thick card)

### GUIDE POST

(Required callout)

#### -S

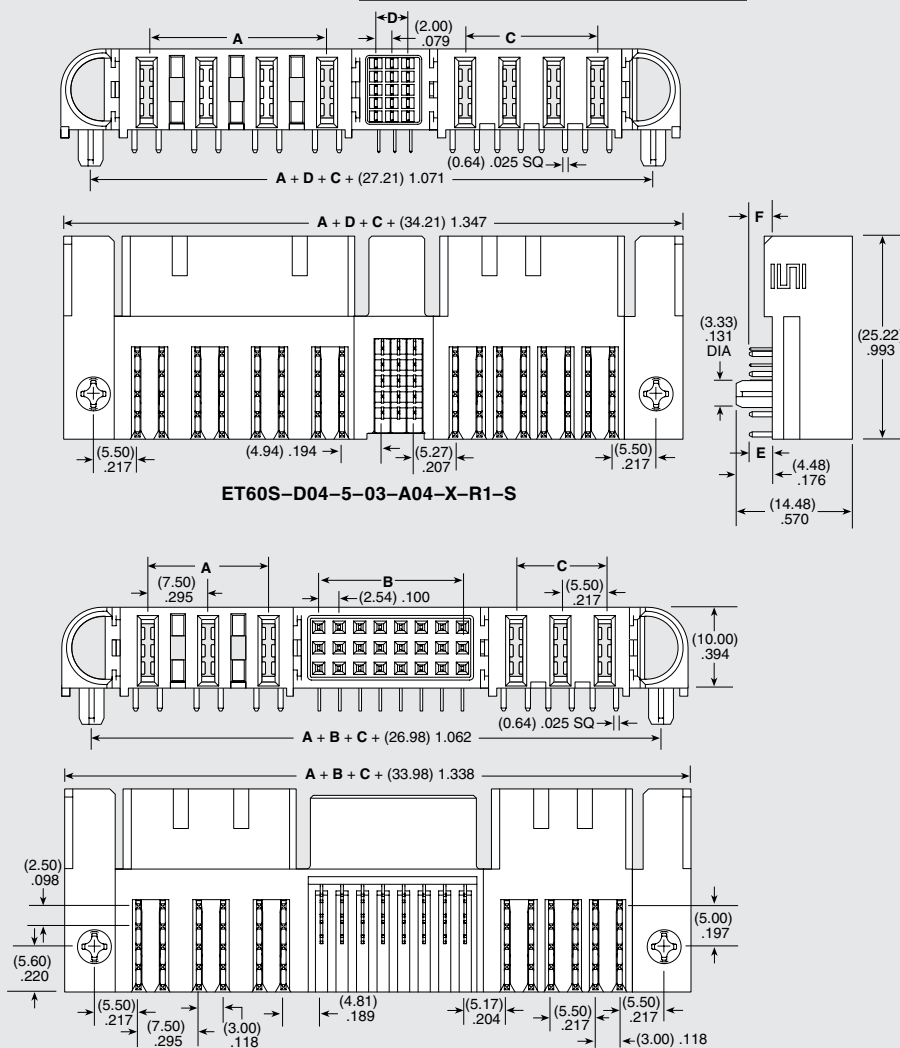
= Side  
Guide Post

#### -T\*

= Top  
Guide Post

| SIGNAL POSITIONS PER ROW (3 Row) | B               | SIGNAL POSITIONS PER ROW (5 Row) | D               |
|----------------------------------|-----------------|----------------------------------|-----------------|
| -08                              | (17.78)<br>.700 | -01                              | N/A             |
|                                  |                 | -02                              | (2.00)<br>.079  |
|                                  |                 | -03                              | (4.00)<br>.157  |
|                                  |                 | -04                              | (6.00)<br>.236  |
|                                  |                 | -05                              | (8.00)<br>.315  |
|                                  |                 | -06                              | (10.00)<br>.394 |
|                                  |                 | -07                              | (12.00)<br>.472 |
|                                  |                 | -08                              | (14.00)<br>.551 |

| TAIL | E              | F |
|------|----------------|---|
| -R1  | (2.84)<br>.112 |   |



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