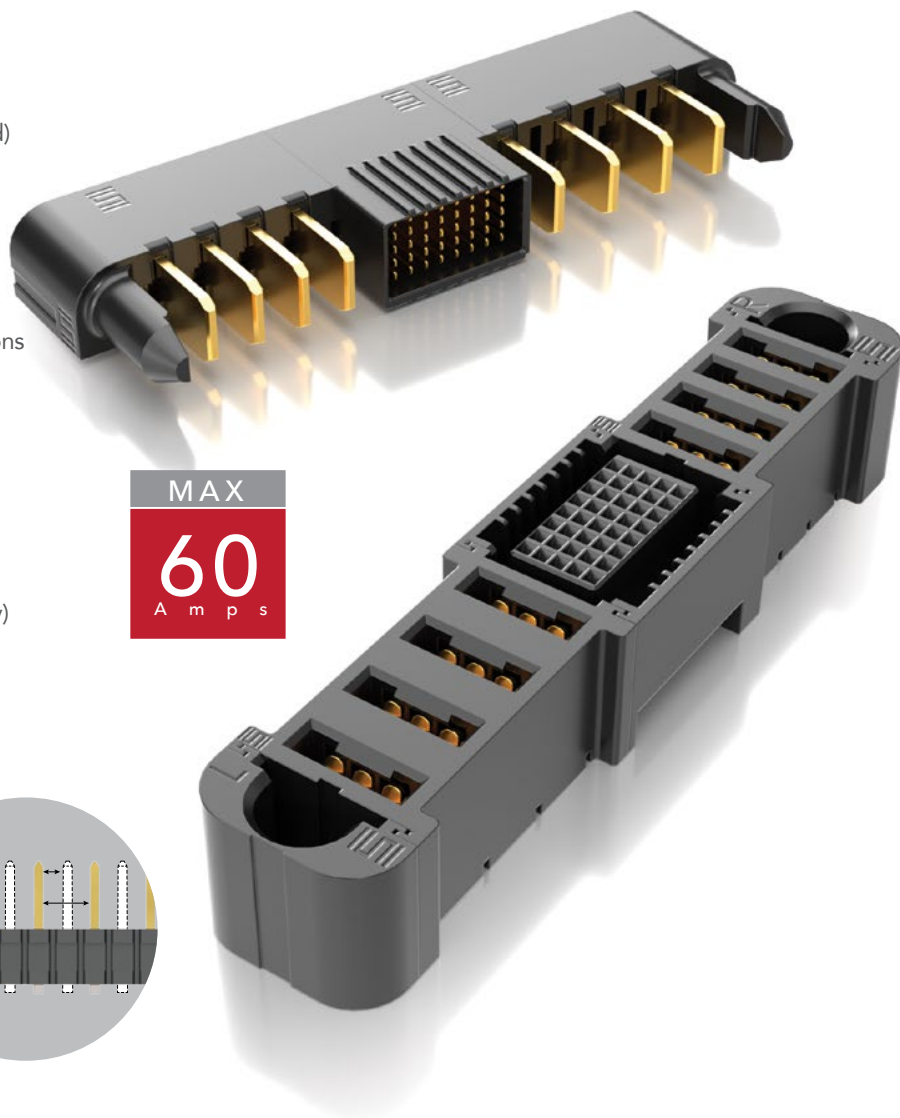


# EXTREME HIGH-POWER 60 A SYSTEMS

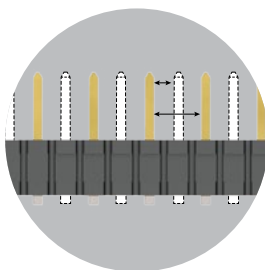
## FEATURES & BENEFITS

- Up to 60 A per power blade (2 blades powered)
- Low 10 mm profile (right-angle) for enhanced system airflow
- Power only, or power/signal combinations
- 3 or 5 signal rows in the same form factor
- AC power, DC power, power/signal combinations and split power options available
- Coplanar and perpendicular applications
- Modules can be configured to accommodate most any design
- Rugged guide posts are standard; top design for board space savings
- Press-fit (ET60S only) and hot swap (ET60T only) options available



|                            |         |
|----------------------------|---------|
| <b>Standard Creepage*</b>  | 3.02 mm |
| <b>Standard Clearance*</b> | 1.87 mm |

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



## KEY SPECIFICATIONS

| PITCH  |                                                    | INSULATOR MATERIAL | TERMINAL MATERIAL                              | PLATING                          | OPERATING TEMP RANGE | VOLTAGE RATING | MATING CYCLES | LEAD-FREE SOLDERABLE |
|--------|----------------------------------------------------|--------------------|------------------------------------------------|----------------------------------|----------------------|----------------|---------------|----------------------|
| Power  | (5.50 mm) .217"<br>(7.50 mm) .295"                 | Black LCP          | Signal: Phosphor Bronze<br>Power: Copper Alloy | Au or Sn over 50 µ" (1.27 µm) Ni | -40 °C to +105 °C    | 280 VAC        | 500           | Yes                  |
| Signal | (2.00 mm) .097" (5 row)<br>(2.54 mm) .100" (3 row) |                    |                                                |                                  |                      |                |               |                      |

### Notes:

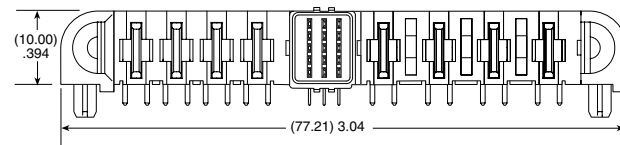
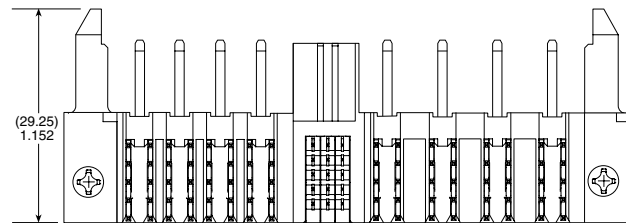
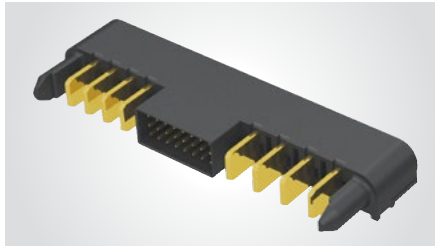
Some lengths, styles and options are non-standard, non-returnable.

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

## 60 A SIGNAL/POWER COMBO SYSTEM

| SERIES                   | POWER OPTION (R)                              | ROWS                     | SIGNAL POS. PER ROW                                           | POWER OPTION (L)                              | PLATING                                                                                                | TAIL                                                                                                | GUIDE POST                     | OPTION                               |
|--------------------------|-----------------------------------------------|--------------------------|---------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------|
| <b>ET60T</b><br>Terminal | <b>-AXX</b><br>= AC Power Positions (02 - 06) | <b>-0</b><br>= No Signal | <b>-00</b><br>= No Signal                                     | <b>-AXX</b><br>= AC Power Positions (02 - 06) | <b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail (Not available for 5 rows) | <b>-VP</b><br>= Vertical Press-fit                                                                  | (Required callout)             | (Leave blank for no hot swap)        |
| <b>ET60S</b><br>Socket   | <b>-DXX</b><br>= DC Power Positions (02 - 10) | <b>-3</b>                | <b>-08</b><br>= 3 Row only                                    | <b>-DXX</b><br>= DC Power Positions (02 - 10) | <b>-S</b><br>= 30 $\mu$ " (0.76 $\mu$ m) Gold on contact, Matte tin on tail                            | <b>-V1</b><br>= Vertical through-hole (Use with (1.60 mm) .062" thick card) (-0 and -3 Row only)    | <b>-S</b><br>= Side Guide Post | <b>-H</b><br>= Hot Swap (ET60T only) |
|                          | <b>-SXX*</b><br>= Split Power                 | <b>-5</b>                | <b>-01, -02, -03, -04, -05, -06, -07, -08</b><br>= 5 Row only | <b>-SXX*</b><br>= Split Power                 |                                                                                                        | <b>-R1</b><br>= Right-angle through-hole (Use with (1.60 mm) .062" thick card) (required for ET60T) | <b>-T*</b><br>= Top Guide Post |                                      |
|                          | <b>-000</b><br>= No Power                     |                          |                                                               | <b>-000</b><br>= No Power                     |                                                                                                        |                                                                                                     |                                |                                      |

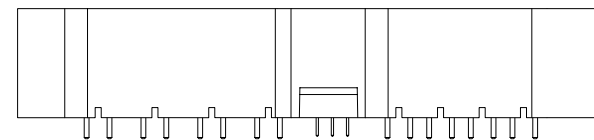
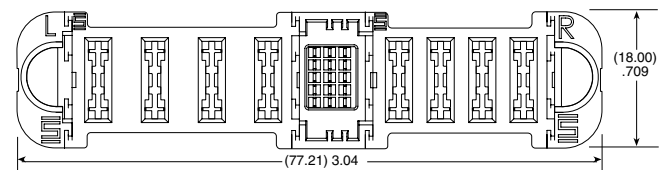
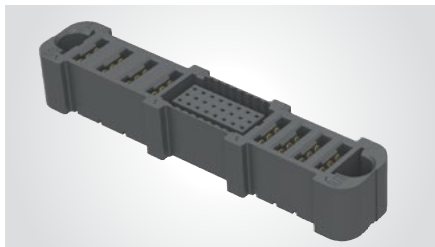
### ET60T Board Mates: ET60S



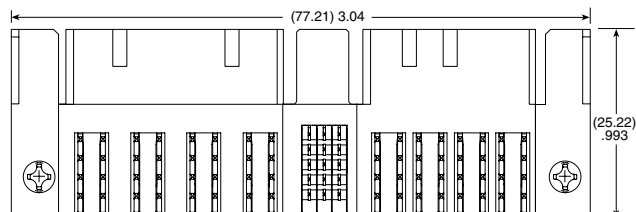
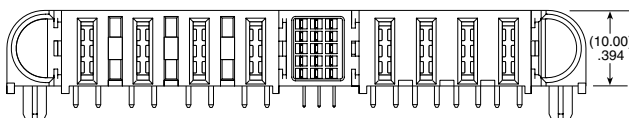
ET60T-D04-5-03-A04-X-R1-S SHOWN

View complete specifications at: [samtec.com?ET60T](http://samtec.com?ET60T)

### ET60S Board Mates: ET60T



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



RIGHT-ANGLE  
ET60S-D04-5-03-A04-X-R1-S SHOWN

View complete specifications at: [samtec.com?ET60S](http://samtec.com?ET60S)