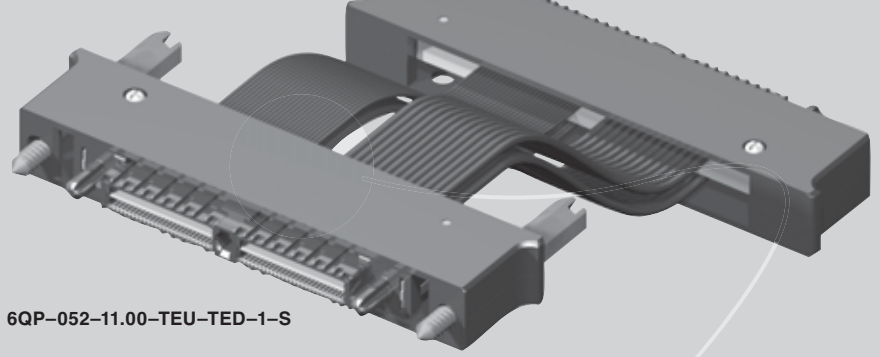


6QP-052-11.00-TEU-TED-1-S



# POWER/SIGNAL COMBO CABLE 6QP SERIES

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?6QP](http://www.samtec.com?6QP)

### Signal Cable:

**Cable Type:** 38 AWG Eye Speed™  
**Current Rating:** 300 mA max  
**Capacitance:** 96.79 pF/meter (nominal)  
**Inductance:** .230 mH/meter (nominal)  
**Propagation Delay:** 4.79 nS/meter

### Power Cable:

**Cable Type:** 26 AWG 13Ω Eye Speed™  
**Current Rating:** 4A  
**Capacitance:** 239 pF/meter (nominal)  
**Inductance:** .092 mH/meter (nominal)  
**Propagation Delay:** 4.79 nS/meter

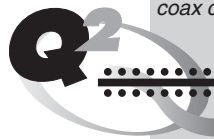
### Connector:

**Insulator Material:** Liquid Crystal Polymer  
**Terminal & Ground Plane Material:** Phosphor Bronze  
**Plating:** Au over 50µ" (1,27µm) Ni

### Assembly:

**Voltage Rating:** 300 VAC mated with QFS  
**Operating Temp:** -55°C to +105°C  
**RoHS Compliant:** Yes

Mates with:  
QFS



38 AWG  
50Ω  
Eye Speed™  
coax cable



Minimizes EMI aggression

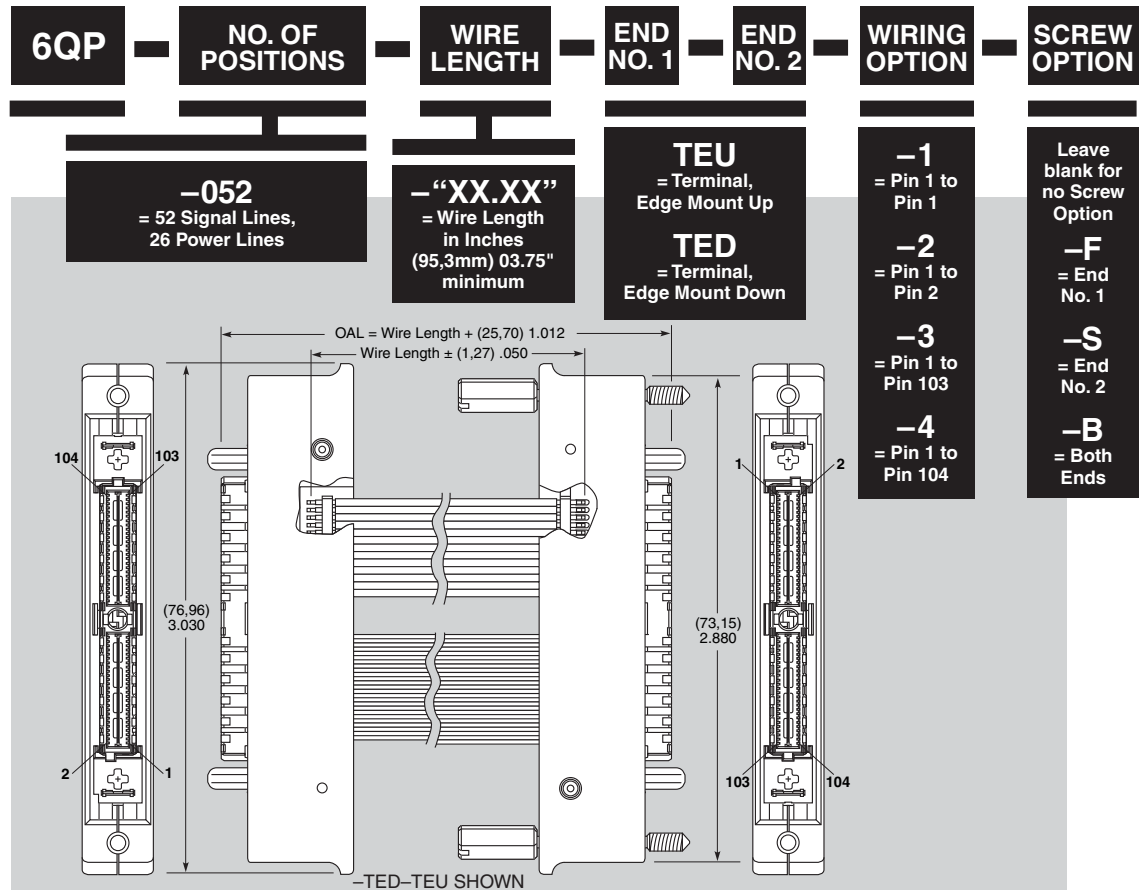
52 signal lines

Minimizes coupling to high speed signals



26 AWG  
13Ω Eye Speed™  
"Quiet Power"  
coax cable

26 power lines



**Note:** Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

**Note:** Verify part number and correct wiring scheme with Samtec's Interactive Cable Builder at [www.samtec.com/cable\\_builder/pitch.asp](http://www.samtec.com/cable_builder/pitch.asp)

**Note:** This Series is non-standard, non-returnable.

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

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