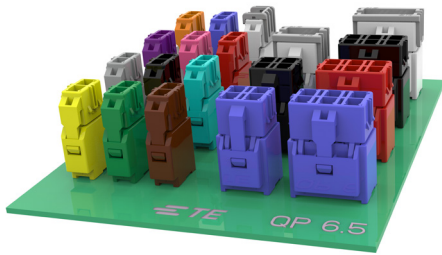


QP 6.5 MULTI-COLOR POWER CONNECTOR

MULTI-COLOR WIRE-TO-BOARD POWER CONNECTOR DESIGNED TO HELP STREAMLINE THE ASSEMBLY PROCESS

TE Connectivity introduces QP 6.5 multi-color wire-to-board power connector to assist printed circuit board manufacturers in boosting assembly efficiency. The connector's distinct color-coding provides clear visual identification and aids in Printed Circuit Board (PCB) layout design. With keying options, this product helps to prevent incorrect mating. Kinked header pin is designed for strong board retention. It is rated UL 94 V-0 and offers a terminal position assurance (TPA) feature to secure correct terminal position. Header packaging is available in both trays and tubes to accommodate different customer requirements. This connector is highly suitable for HVAC applications, appliances, and various industrial control boards.



ELECTRICAL

- Voltage rating: 600V
- Current rating: 10A max.

MECHANICAL

- Positions: 2P, 4P, 6P
- Pitch: 6.5mm
- Configuration: vertical, through hole, dual row
- Wire size: 22AWG to 16AWG

MATERIAL

- Operating Temperature (°C): -40 to +105
- Contact: Copper Alloy
- Housing Flammability Ratings: UL 94 V-0

STANDARDS & SPECIFICATIONS

- Product Specification: [108-160978](#)
- Application Specification: [114-160619](#)
- UL 1977
- [Product Page](#)

KEY FEATURES

- Diverse color options (12 colors for 2P, 3 colors for 4P, 4 colors for 6P) provide quick identification of mating combinations for assembly and repair purposes
- Keying design prevents mis-mating, helping the operator to insert the terminals in the correct orientation inside the housing
- Compact connector design that can help save PCB layout space, when compared to similar pitch connectors
- Internal latch prevents accidental unlocking
- Kinked header pin strengthens PCB retention facilitating the soldering process
- TPA is available to help ensure correct terminal position
- Header packaging options include trays and tubes to suit various customer needs

APPLICATIONS



HVAC Equipment



Air Conditioner



Water Heater



Industrial Machinery



Control Unit



Major Home Appliances

QP 6.5 MULTI-COLOR POWER CONNECTOR

PART LIST

HOUSING

Position	Key	Color	Header		Plug	TPA
			Tray Package	Tube Package		
2	1	Orange	2465614-1	2499173-1	2465651-1	2497469-2
	2	Blue	2465614-2	2499173-2	2465651-2	
	3	Gray	2465614-3	2499173-3	2465651-3	
	4	Yellow	2465614-4	2499173-4	2465651-4	
	5	Purple	2465614-5	2499173-5	2465651-5	
	6	Pink	2465614-6	2499173-6	2465651-6	
	7	Black	2465614-7	2499173-7	2465651-7	
	8	Green	2465614-8	2499173-8	2465651-8	
	9	Brown	2465614-9	2499173-9	2465651-9	
	10	Red	1-2465614-0	1-2499173-0	1-2465651-0	
	11	Mint	1-2465614-1	1-2499173-1	1-2465651-1	
	12	Natural	1-2465614-2	1-2499173-2	1-2465651-2	
4	1	Blue	2-2465614-4	-	2-2465651-4	2495492-2
	2	Black	3-2465614-4	-	3-2465651-4	
	3	Natural	4-2465614-4	-	4-2465651-4	
6	1	Blue	2-2465614-6	-	2-2465651-6	2495492-3
	2	Black	3-2465614-6	-	3-2465651-6	
	3	Red	4-2465614-6	-	4-2465651-6	
	4	Natural	5-2465614-6	-	5-2465651-6	

CONTACT

	Wire Range	PN	APPLICATOR
Receptacle Terminal	16-22AWG	2465656-1	4151367-1

FOR MORE INFORMATION

ASK OUR EXPERT ►

te.com/QP6.5-multi-color-power-connector

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