

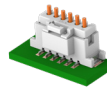



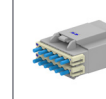
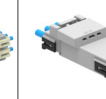
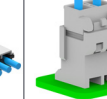
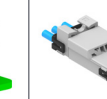
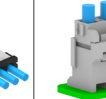
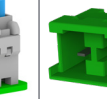
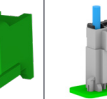
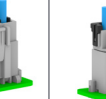


GRACE INERTIA CONNECTOR DESIGN NAVIGATOR

The GRACE INERTIA connector series supports wire-to-wire and wire-to-board systems. The defining feature of these connectors is an inertia locking mechanism that locks the connector into place when the circuit is completed. This feature can improve mating reliability and reduce the need for complicated inspection processes. Additional features include lance-less contacts to prevent tangled wires and multiple color and keyed connector options to reduce assembly error. GRACE INERTIA connectors are used in power and signal applications, including appliances, transportation, and lighting.



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	1.25mm GRACE INERTIA	1.5mm GRACE INERTIA	2.0mm GRACE INERTIA	2.5mm GRACE INERTIA	GRACE INERTIA Multi-Load	3.3mm GRACE INERTIA	3.5mm GRACE INERTIA	5.8mm GRACE INERTIA	6.0mm GRACE INERTIA	6.2mm GRACE INERTIA	6.5mm GRACE INERTIA	7.92mm GRACE INERTIA	9.0mm GRACE INERTIA	12.4mm GRACE INERTIA
														
Centerline	1.25mm	1.5mm	2.0mm	2.5mm	3.00mm	3.3mm	3.5mm	5.8mm	6.0mm	6.2mm	6.5mm	7.92mm	9.0mm	12.4mm
Max Current Rating	2.2A	2.8A	2.5A	3A	3A	4A	7A	15A	10A	20A	10A	10A	20A	20A
Voltage Rating	50V AC/DC	100V AC/DC	50V AC	50V AC	250V AC	250V AC/DC	300V AC	600V AC	300A VC/DC	600V AC	300V AC	300V AC	600V AC	600V AC
Wire Size (AWG)	26-30	24-28	22-28	28-22	28-22	28-20	26-18	16-14	24-16	16-12	24-16	24-16	16-12	16-12
Positions	2-18 single row 20/22/30/40 dual row	2-12 single row 4-18 dual row	2-10	2-8	14,26,28	4-14	2-12	3	2-3	1,2,3	3	2	3	2
Sealed Version	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Color/Keying	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Color: No Keying: Yes	Yes	Yes	Yes	Color: Yes Keying: No	Yes
IEC 60335-1 Glow-Wire	Yes*	Yes	Yes	Yes	Yes	Yes	2P only	Yes	Yes	No	Yes	Yes	Yes	Yes
Configuration	W-t-W & W-t-B	W-t-B	W-t-W & W-t-B	W-t-W & W-t-B	W-t-B	W-t-B	W-t-W	W-t-W	W-t-B	W-t-W	W-t-B	W-t-B	W-t-B	W-t-B

* GWEPT not available for 1.25 dual row and 1.25 wire to wire

For more information, visit te.com/support to chat with a Product Information Specialist.