

eclipse QL-5 Miniature Series

AN ADVANCED INTERCONNECT SOLUTION



USER FRIENDLY

PERFORMANCE ENGINEERED

CONFIGURABLE



- Auto-Latch / Quick-Release Mating
- Positive Engagement Feedback
- Safe, Touch-Proof Contacts
- Sleek, Ergonomic Design
- Blind Mating Features

- Overmolded Strain and Flex Relief
- Splash-Proof / Submersible, IP-67
- Options to 100K Mating Cycles
- Voltage Ratings to 20KVDC
- Impact Resistant Housings

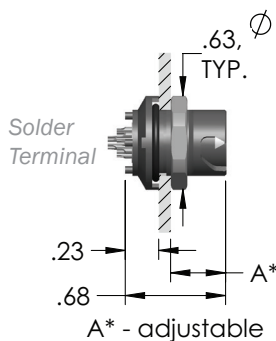
- Adapts to a Variety of Cable Styles
- Additional Housing Sizes Available
- Custom Contact Arrangements
- Alternate Keying Options
- Custom Colors

DG Interconnect's, QL-5 Series Cable Assemblies are terminated with an auto-latching connector that makes attaching electronic accessories, handtools, and peripherals a snap. The user friendly connector locks automatically, providing audible, visual, and tactile confirmation. The QL-5 is performance engineered to endure multiple mating cycles as well as the mechanical and ambient stress associated with dynamic environments. Its sleek, modular design is easily configured to match specific application requirements.

STANDARD QL-5 HOUSING STYLES

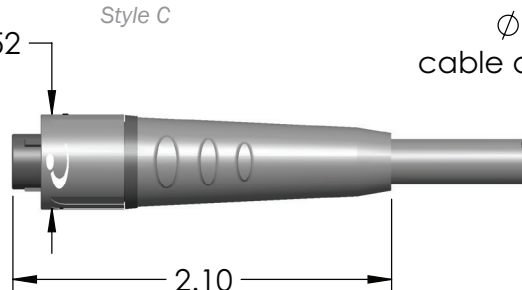
Panel-Mount Receptacle

Style A



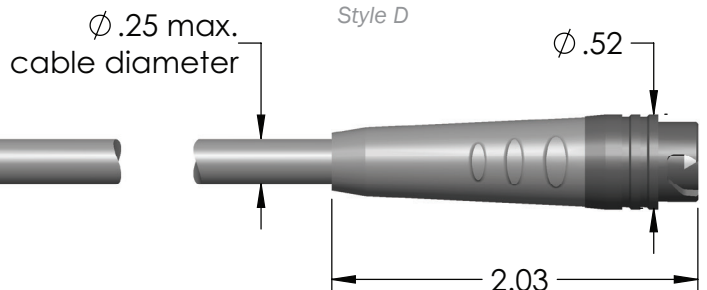
Cable-Mount Plug

with overmolded strain relief
Style C



Cable-Mount Receptacle

with overmolded strain relief
Style D

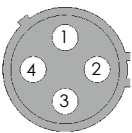
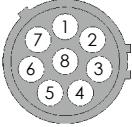


All Dimensions in inches



CONNECT WITH THE FUTURE

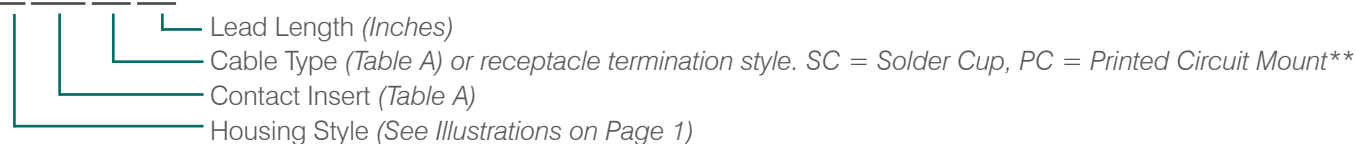
TABLE A. STANDARD CIRCUIT CONFIGURATION

	Contact Size	Poles	Wire Size	Voltage	Amps (40C)	Insert#	Cable #
	1.0mm	4	20AWG	60V	5A	200	KC
	.8mm	1	22AWG	110V	2A	201	GC
		2	22AWG	110V	2A	202	HC
		3	22AWG	110V	2A	203	IC
		4	22AWG	110V	2A	204	JC
		5	22AWG	60V	2A	205	KC
		6	22AWG	60V	2A	206	LV
		7	22AWG	60V	2A	207	MC
		8	24AWG	60V	2A	208	NC
	.5mm	10	26AWG	30V	1A	210	QC
		14	26AWG	30V	1A	214	NC

Custom Contact Inserts Are Available

TABLE B. QL-5 SERIES PART NUMBERS

QL5 C 214 RC 24



SPECIFICATIONS

ELECTRICAL

- **Voltage Rating:** See Table A
- **Current Rating:** See Table A
- **Dielectric w/s:** 500 V/mil

MECHANICAL

- **Insulator Mat'l:** TP Resin
- **Max. Cable Diameter:** .250"
- **Accidental Release:** 25 lbs. min.

ENVIRONMENTAL

- **Operating Temp:** -45°C to 105° C, 132°C (Limited)*
- **Chem Resistance:** Most OR Solvents, Broad Spectrum*
- **Waterproof:** IP65 / IP67

CONTACTS

- **Mating Cycles:** 5,000 Standard; 100K Optional*
- **Construction:** Machined, Crown Spring
- **Plating:** Gold over Nickel.

*Consult a DGI sales engineer for future information on how a QL-5 Series interconnect may be incorporated into your specific application.

**Consult factory for pcb mounting template.