

FEATURES AND SPECIFICATIONS

Features and Benefits

- Interfacial terminal seals complying with ANSI B93 are augmented by a secondary ring seal, eliminating contamination to the interconnect system.
- Machined contacts with insulation support protect against wire damage caused by repeated cord flex or severe angle bends.
- Positive mating is visually assured by a green line, clearly viewable during inspection when the Mini-C connector is properly installed.
- A unique spring coupling ring system maintains insert pressure and vibration resistance during long mating periods. The system compensates for the material's compression set and maintains seal integrity for the life of the users' products.
- The Mini-C connector's longer coupling ring provides a larger gripping area while adding support to the plug body.

Reference Information

UL File No.: E81982

CSA File No.: LR 56804

Mechanical Specifications

Plug

Coupling Nut: Anodized Aluminum (standard)

Stainless Steel

Contacts: Brass, Tin-plated (standard)

Gold-plated (optional)

Molded Head: PVC

Cable

16 AWG (Standard): PVC insulated, fine stranded Copper conductors, yellow PVC jacket, 600V STQ, 105°C, UL recognized, CSA certified

18 AWG (Optional): PVC insulated, fine stranded Copper conductors with foam polypropylene fillers, yellow PVC jacket, 300V SJTO, 105°C, UL recognized, CSA certified

Receptacle

Shell: Anodized Aluminum (standard)

Stainless Steel, nylon (optional)

Contacts: Brass, Tin-plated (standard)

Gold-plated (optional)

Inserts: PVC

Wire: 16 AWG with PVC insulation, 600V (standard)

18 AWG with PVC insulation, 300V (optional)



Industrial Interfaces™ Mini-C

Electrical Specifications

Voltage: 16 AWG, 600V AC/DC (standard)

18 AWG, 300V AC/DC (optional)

Current: Central guidelines, contact factory if your application exceeds these values:

Wire Size (AWG)	All Circuits
No. 16 (Standard)	13.0A
No. 18 (Optional)	9.0A

Environmental Specifications

Temperature Rating: -40 to +90°C

Rainproof: Meets rainproof requirements of UL rain test as specified in UL STD 514

Corrosion: Anodize finish provides 300 hours salt spray protection per MIL STD 202 Method 101

Vibration: Complies with MIL STD 202F, Test Method 204, Test Condition B

Additional Specifications

MINI-C meets NEMA 6P, enclosure requirements

Automotive Mass Production Equipment: Specification E11.1.1 (3)

Meets Watertight Performance Rating Of: IP68

Contact factory for availability on optional specifications

ORDERING INFORMATION

XXXXX	XXX	X	X
A	B	C	D

14442	K01	S	G
A	B	C	D

Example:

A = Mini-C Plug/4 pole/6' cable length

B = 90° female

C = Stainless Steel hardware

D = Gold-plated contacts

A

Plug/Receptacle (Series/Poles/Length)						
No. of Poles	Order No.			Face View of Male	Wiring Code	Cable Length (ft)
	Plug	Receptacle	Dust Caps			
2	14241	6" Leads 15211 12" Leads 15212	Plug 14043M01 Receptacle 14044M01		1 White 2 Black	3
	14242					6
	14243					9
	14244					12
	14245					20
3	14341	6" Leads 15311 12" Leads 15312	Plug 14043M01 Receptacle 14044M01		1 Green 2 Black 3 White	3
	14342					6
	14343					9
	14344					12
	14345					20
4	14441	6" Leads 15411 12" Leads 15412	Plug 14043M01 Receptacle 14044M01		1 Black 2 White 3 Red 4 Green	3
	14442					6
	14443					9
	14444					12
	14445					20
5	14541	6" Leads 15511 12" Leads 15512	Plug 14043M01 Receptacle 14044M01		1 White 2 Red 3 Green 4 Orange 5 Black	3
	14542					6
	14543					9
	14544					12
	14545					20

Connectors Specifically Designed to Meet Automotive Standards

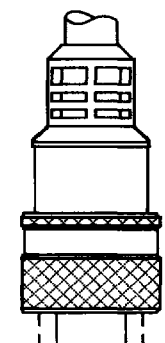
No. of Poles	Order No.			Face View of Male	Wiring Code	Cable Length (ft)
	Plug	Receptacle	Dust Caps			
3	14361	6" Leads 15361 12" Leads 15362	Plug 14043M01 Receptacle 14044M01		1 Green 2 Red 3 Red	3
	14362					6
	14363					9
	14364					12
	14365					20
5	14561	6" Leads 15561 12" Leads 15562	Plug 14043M01 Receptacle 14044M01		1 Red 2 Red 3 Green 4 Red 5 Red	3
	14562					6
	14563					9
	14564					12
	14565					20

Note: Color code of female is mirror image of male

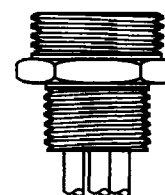
B
Configuration/Gender/Wire Gauge Designation
See page V-28

D
Contact Plating Variations
G Gold-Plated Contacts (Tin-plating is standard)

C
Hardware Variations
S Stainless Steel Hardware
N Nylon Hardware (available on receptacle only)



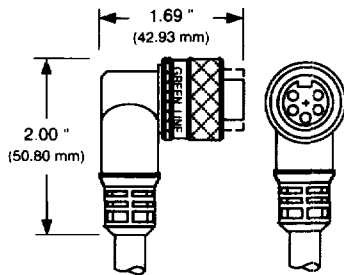
PLUG



RECEPTACLE

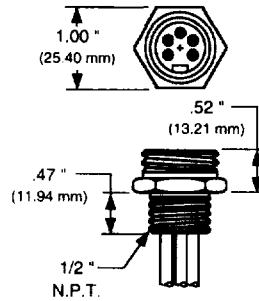
PLUG — 90 DEGREE

FEMALE	MALE
K01 - 16 AWG	K11 - 16 AWG
K21 - 18 AWG	K31 - 18 AWG



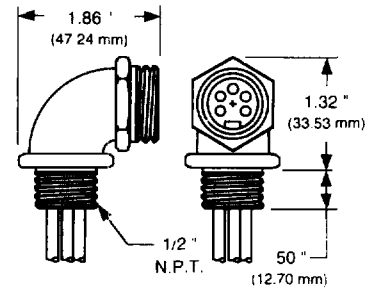
RECEPTACLE — STATIONARY

FEMALE	MALE
M11 - 16 AWG	M21 - 16 AWG
M31 - 18 AWG	M41 - 18 AWG



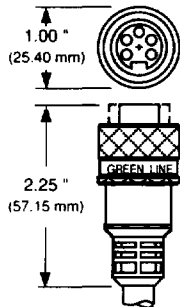
**RECEPTACLE — STATIONARY
90 DEGREE**

FEMALE	MALE
K11 - 16 AWG	K21 - 16 AWG
K31 - 18 AWG	K41 - 18 AWG

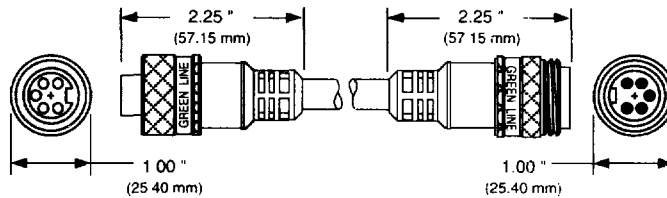


PLUG — STRAIGHT

FEMALE	MALE
M01 - 16 AWG	M11 - 16 AWG
M21 - 18 AWG	M31 - 18 AWG

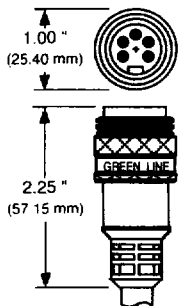


**EXTENSION
FEMALE PLUG / MALE IN-LINE RECEPTACLE**
E01 - 16 AWG
E31 - 18 AWG



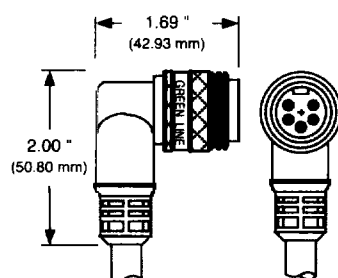
**IN-LINE RECEPTACLE
MALE**

Y01 - 16 AWG
Y21 - 18 AWG

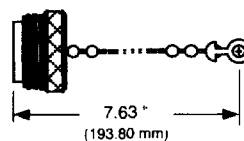


**IN-LINE RECEPTACLE — 90 DEGREE
MALE**

K51 - 16 AWG
K61 - 18 AWG



**DUST CAP — PLUG
14043M01**



**DUST CAP — RECEPTACLE
14044M01**

