

MGT-5015 REVERSE BAYONET COUPLING

FOR MILITARY RUGGED ENVIRONMENT POWER APPLICATIONS

PDS-286



ABOUT MGT (MILITARY GT)

The MGT line of connectors is an expansion of the GT-5015 series, offering a rugged environment connector in new finishes such as Durmalon and Black Zinc Nickel for military applications. Available with press-fit or crimp removable contacts, these connectors use machined shells which can be customized for any design to meet a specific application's needs. Termination options include crimp, solder, PC tail, threaded, or custom designed bus bars. Upgraded socket contacts include the RADSOK® high current sockets and, coming soon, Amphenol's exciting new Temper-Grip socket, which carries more current than a standard contact at higher temperatures than a RADSOK.

FEATURES AND BENEFITS:

- Quick positive coupling
- Audible, tactile and visual indication of full coupling
- Waterproof-IP67 rated
- No lockwiring required
- High shock and vibration capabilities
- Inserts available in Neoprene and Viton* materials
- Operating temperature range:
 - With Neoprene inserts: -55°C to +125°C
 - With Viton* inserts: -50°C to +200°C
- Contacts available in gold and silver plating
- Numerous military and commercial finishes available
- RoHS compliant plating-Durmalon (Nickel Teflon) and Black Zinc Nickel.
- Rated for 2000 mating cycles
- Up to 50% more ampacity with the use of RADSOK
- Machined metal components
- Customized solutions available including PC tail, threaded terminations, and backfilled connectors for improved sealing
- Inserts with metal retention clips available for applications which require removable contacts



* For availability of Viton inserts consult Amphenol, Sidney NY. Viton is a registered trademark of Dupont/Dow Corning.

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1.	2.	3.	4.	5.	6.	7.	8.
CONNECTOR TYPE	Contact Style & Insert Material	Shell Style	Connector Class	Shell Size and Insert Arrangements	Contact Style	Alternate Position	Connector Modification*
MGT	C	06	A	36-5	S	W	(045)

1. CONNECTOR TYPE

MGT	Reverse Bayonet Coupling
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2. CONTACT STYLE & INSERT MATERIAL

C	Crimp
CN	Crimp with Stainless Steel
CY	Crimp with Viton
CL	Crimp with low smoke/flame retardant inserts
	Leave blank for Neoprene components

3. SHELL STYLE

00	Wall mount receptacle
01	Inline receptacle
02	Box mount receptacle
020	Box mount receptacle with accessory threads
06	Straight Plug
07	Jam nut receptacle-rear panel mount
070	Jam nut receptacle with accessory threads

4. CONNECTOR CLASS

A	Adapter for accessory attachment, non-environmental
AF	Adapter, clamp for individual wires, non-environmental
CF	Adapter, jacketed cable clamp, environmental
CFZ	Adapter, jacketed cable clamp, individual wire sealing grommet, environmental
F	Adapter, clamp for individual wire sealing grommet, environmental
G	Adapter for heat shrink tubing, individual wire sealing grommet, environmental
M	Metal clip inserts for removal contacts
R	Adapter for accessory attachment, individual wire sealing grommet, environmental

5. SELECT AN INSERT ARRANGEMENT

Refer to MIL-DTL-5015

7. SELECT AN ALTERNATE MASTER KEY/KEYWAY POSITION (IF NEEDED)

W, X, Y and Z
No suffix required for normal position.

6. CONTACT TYPE

P	Pin Contacts
S	Socket Contacts

Box mount (02)

R	No thread, no accessories, environmental with panel sealing gasket
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Box mount with accessory threads (020)

R	No accessories, environmental with panel sealing gasket
RV	Adapter, individual wire sealing grommet, environmental
SB	Adapter for termination of EMI/RFI shielded braid with heat shrink tubing or boot, individual wire sealing grommet, environmental

8. CONNECTOR MODIFICATION*

Omit for standard olive drab with silver plated contacts

(014)	Olive drab cadmium plate, nickel base
(B30)	Gold/nickel plated contacts
(045)	Durmalon (Nickle PTFE)
(033)	Black Zinc Nickel
(023)	Electroless Nickel
(RDS)	RADSOK Contacts

*Consult Amphenol Aerospace for more information

MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS

Connector Style	Mateable with Style
MGT00	MGT06
MGT01	MGT06
MGT02	MGT06
MGT020	MGT06
MGT06	MGT00/ 01/ 02/ 020/ 070
MGT07/070	MGT06

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