MGT-5015
REVERSE BAYONET COUPLING

PDS-286



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 & 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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MGT-5015 REVERSE BAYONET COUPLING

FOR MILITARY RUGGED ENVIRONMENT POWER APPLICA-

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

STEP 1 :
Choose a Connector Type

Connector Type	
MGT	Reverse Bayonet Coupling

STEP 2:
Choose Contact Style & Insert Material

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

STEP 3 :
Choose a Shell Style

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

STEP 4 :
Choose a Connector Class

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
Box mount (02)	
R	No thread, no accessories, environmental with panel sealing gasket
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

STEP 5 :
Choose Shell Size & Insert Arrangement

Shell Size & Insert Arrangement
Refer to MIL-DTL-5015 Catalog

STEP 6 :
Choose a Contact Style

Contact Type	
P	Pin Contacts
S	Socket Contacts

STEP 7 :
Choose an Alternate Master Key/ Keyway Position (if needed)

Alternate Master Key/Keyway Position
W, X, Y and Z No suffix required for normal position.

Mateability w/ 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

STEP 8 :
Choose a Connector Modification*

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

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