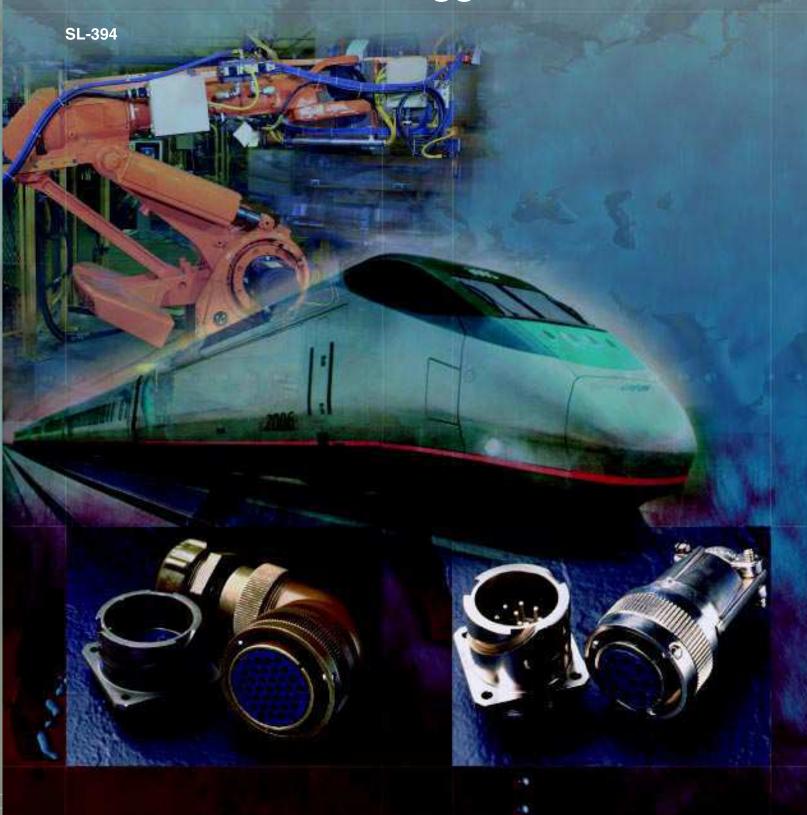
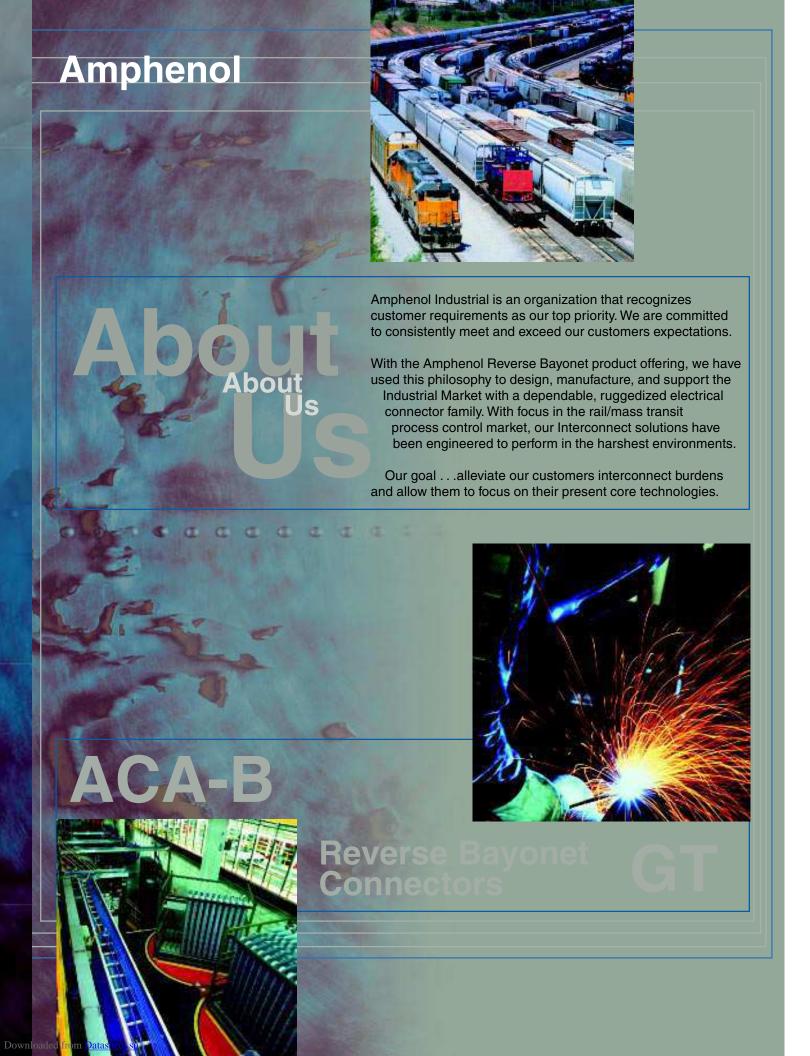
## Amphenol® Reverse Bayonet Interconnects for Rugged Environments



**Amphenol** 

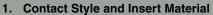


## **Amphenol**

## **GT** Connectors

Designed originally for use by the military, the Heavy Duty GT Connector has become the connector of choice for the Rail/Mass Transit Industry.

**Part Number System** 36-5 (014)



= Crimp

CN = Crimp with stainless steel

S = Solder

SN = Solder with stainless steel

CY = Crimp with Viton

SY = Solder with Viton

CL = Crimp with low smoke/flame retardants inserts

SL = Solder with low smoke/flame retardants inserts

No designation required for Neoprene components

#### 2. Shell Styles

00 - Wall mount receptacle

01 - Inline receptacle

02 - Box mount receptacle

020 - Box mount receptacle with accessory threads

030 - Square flange receptacle - rear panel mount

05 - Dummy receptacle

06 - Straight plug

062 - Straight plug with deep serrated coupling nut

064 - Panel mounted plug with heavy coupling nut

065 - Straight plug with long heavy duty coupling nut

07 - Jam nut receptacle - rear panel mount

070 - Jam nut with accessory threads

08 - 90° angle plug TB - Thru-bulkhead

### 3. Connector Class

See catalog 12-024.

## 4. Shell Size and Arrangements

See catalog 12-024.

Shell sizes available: 10SL, 14S, 16S, 16, 18, 20

22, 24, 28, 32, 36, 40

### 5. Contact Style

P designates pin contacts

S designates socket contacts



## **MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS**

Connector Style	Mateable with Style
GT00	GT06/ 062/ 064/ 065/ 08
GT01	GT06/ 062/ 064/ 065/ 08
GT02	GT06/ 062/ 064/ 065/ 08
GT030	GT06/ 062/ 064/ 065/ 08
GT06/ 062/ 064/ 065	GT00/ 01/ 02/ 020/ 03/ 030/ 05/ 070/ TB
GT07/ 070	GT06/ 062/ 064/ 065/ 08
GT08	GT00/ 01/ 02/ 020/ 03/ 030/ 05/ 070/ TB
GTTB	GT06/ 062/ 064/ 065/ 08

## 6. Alternate Position

W, X, Y and Z - See catalog 12-024. No suffix required for normal position.

## 7. Connector Modification

Omit for standard olive drab with silver plated contacts

(014) Olive drab cadmium plate, nickel base

(A24) Gold/nickel plated contacts

(025) Black zinc cobalt

(027) Conductive black zinc cobalt

(024) Green zinc cobalt

Consult factory for other modifications.









The GT Interconnect Family is used in door controllers, HVAC systems, cab controls, event recorders, propulsion systems, and other rail applications that demand reliable electrical interconnects.

# Features and Benefits

- · Variety of Shell Styles
- Quick Positive Coupling
- Water Proof
- · High Shock, High Vibration
- · Solder, Crimp, or PC Tail Contacts
- Broad Operating Temperature Range
- Alternate Materials, Including Fire Retardant Elastomers

- Variety of Finishes Including Nickel, OD Cad,
   Cad-free Black Zinc Cobalt, and Green Zinc
- Rugged Construction
- More than 275 Layout Patterns Available
- Numerous Back-end Fittings
- Modifications to Meet Your Unique Application Requirements

# REVERSE BAYONET

# Performance and Design Characteristics

The Amphenol ACA-B and GT Product Families were designed around the electrical parameters of MIL-C-5015. However the unique reverse bayonet quick-disconnect coupling exceeds the environmental requirements of the military specification.

Operating Temperature \_\_\_\_\_\_\_-55°C to +125°C

Electrical Rating 5 Amps to 500 Amps

Service Rating Up to 4200V (DC)

Mating Cycles \_\_\_\_\_\_ 500 (ACA-B), 2000+ (GT)

## General

Specifications



## ACA-B Connectors

The ACA-B Connector Family was developed especially for Industrial Usage and performs in the most Rugged Environments.

**Part Number System** 

#### 1. Series

**ACA Circular Connector Family** 

## 2. Shell Styles

3100 - Wall mount receptacle

3101 - Cable connecting plug

3102 - Front box mount receptacle

3103 - Rear box mount receptacle

3105 - Dummy receptacle

3106 - Plug straight

3108 - Plug 90°

#### 3. Class

- E Environmental with resilient insulators and endbell with clamp and bushing
- F Environmental with resilient insulator and endbell with rear accessory threads
- R- Environmental with resilient insulator and shortened light-weight endbell without cable clamp

#### 4. Shell Size

10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, and 36

## 5. Contact Arrangement

See catalog 12-027

## 6. Contact Type

P - Pin

S - Socket

## 7. Alternate Position

W, X, Y and Z

No suffix required for normal position.



## MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS

Connector Style	Mateable with Style
ACA 3100	ACA3106/ ACA3108
ACA 3101	ACA3106/ ACA3108
ACA 3102	ACA3106/ ACA3108
ACA 3103	ACA3106/ ACA3108
ACA 3105	ACA3106/ ACA3108
ACA 3106	ACA3101/ ACA3102/ ACA3103, ACA3105
ACA 3108	ACA3101/ ACA3102/ ACA3103, ACA3105

## 8. Reverse Bayonet Coupling

## 9. Connector Modification

F80 - Crimp contacts

A232 - Black zinc cobalt

A176 - Solid plated contacts

- Consult factory for other modifications









The ACA-B Family of Connectors offers a dependable interconnect for applications in process control, industrial machinery, test and measurement equipment, robotic assembly, and other industrial applications.