

MIL-C-26500 – 48 Series

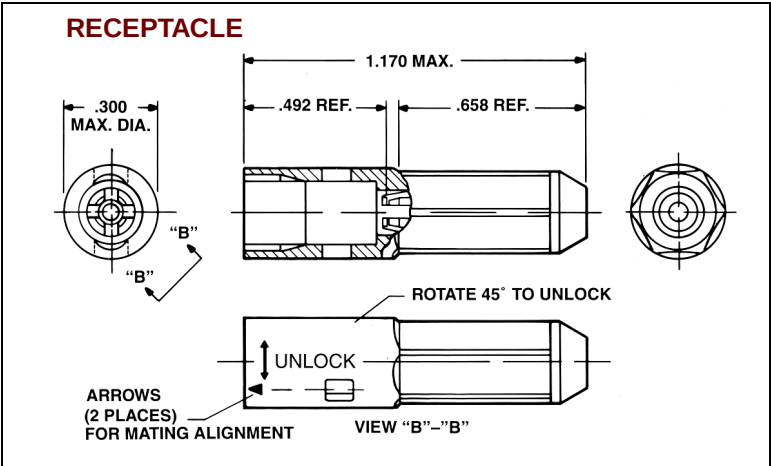
wire splice connector

Special Application Wire Splice Connector

The Amphenol® 48 Series wire splice connector is a low cost, space-saving connector design that can be used for various design applications. The push-mating/twist-pull-unmating feature provides a simple solution to many design requirements without sacrificing performance. This wire splice connector utilizes a metal retention clip for a single size 16 pin and socket contact.

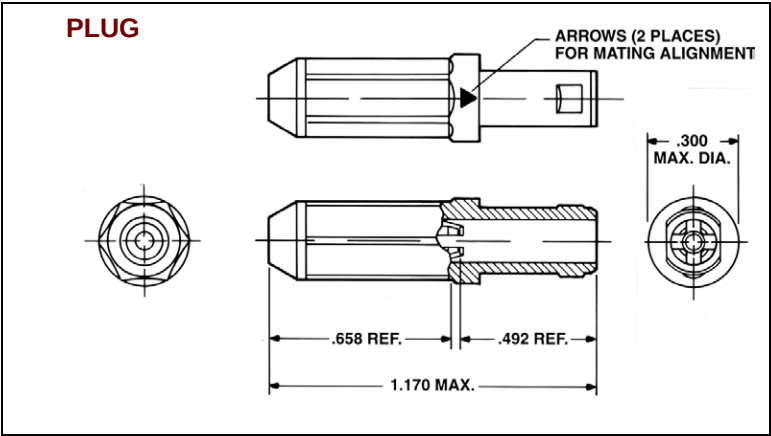
Features and benefits include:

- Push-mating/twist-pull-unmating
- Uses standard M39029/31-229 pin and M39029/32-248 socket contacts
- Incorporates environmental sealing grommet
- Metal collet retention
- Uses standard MIL-C-26500 contact removable tools
- Low cost
- Weight savings design
- Space savings design
- Color coded connector halves - red or blue



Receptacle Wire Splice

Amphenol 48 Series Part Number	Amphenol 10- Part Number	Color	Size 16 Contact Part Number
48-7191	10-804342	Blue	Pin ZZL-4016-36LD
48-7191-1	10-804342-1	Red	Socket ZZL-4116-36LD



Plug Wire Splice

Amphenol 48 Series Part Number	Amphenol 10- Part Number	Color	Size 16 Contact Part Number
48-7190	10-804341	Blue	Pin ZZL-4016-36LD
48-7190-1	10-804341-1	Red	Socket ZZL-4116-36LD

Contacts and Accessories

for MIL-C-26500 cylindrical connectors

Crimp Contacts per MIL-C-39029 – Copper Alloy, Gold Plating

PIN CONTACTS				
Contact Size	Spec. Number	Bin Code	MS Number	Amphenol/Pyle No.
20	M39029/31	241	MS24254-20P	ZZL-4020-36LD*
16	M39029/31	229	MS24254-16P	ZZL-4016-36LD*
12	M39029/31	235	MS24254-12P	ZZL-4012-36LD*

SOCKET CONTACTS				
Contact Size	Spec. Number	Bin Code	MS Number	Amphenol/Pyle No.
20	M39029/32	260	MS24255-20S	ZZL-4120-36LD*
16	M39029/32	248	MS24255-16S	ZZL-4116-36LD*
12	M39029/32	254	MS24255-12S	ZZL-4112-36LD*

* Add – H139 for Boeing Marking for Pin/Socket, Standard Plating.
Add – H148 for Boeing Marking for Pin/Socket, Select Plate.

Amphenol®/Pyle® Special Application Contacts

Copper Alloy, Rhodium plated Contacts†			
Contact Size	Description	Amphenol/Pyle Pin No.	Amphenol/Pyle Socket No.
20	Copper Alloy/ Rhodium plated	ZZL-4020-36LT	ZZL-4120-36LT
16	Copper Alloy/ Rhodium plated	ZZL-4016-36LT	ZZL-4116-36LT
12	Copper Alloy/ Rhodium plated	ZZL-4012-36LT	ZZL-4112-36LT

† Contacts qualified to Boeing BACC47CN/CP.

Thermocouple Contacts					
Contact Size	Material	Amphenol/Pyle Pin No.	Amphenol/Pyle Socket No.		
			Pencil Clip Design*	Split Tine Design**	Color Code
20	Alumel Chromel Constantan	ZZL-4020-10R	ZZL-4120-10R	ZZY-4120-10R	Green
		ZZL-4020-10P	ZZL-4120-10P	ZZY-4120-10P	White
		ZZL-4020-10N	ZZL-4120-10N	ZZY-4120-10N	Yellow
16	Alumel Chromel Constantan	ZZL-4016-10R	ZZL-4116-10R	ZZY-4116-10R	Green
		ZZL-4016-10P	ZZL-4116-10P	ZZY-4116-10P	White
		ZZL-4016-10N	ZZL-4116-10N	ZZY-4116-10N	Yellow
12	Alumel Chromel Constantan	ZZL-4012-10R	ZZL-4112-10R	ZZY-4112-10P	Green
		ZZL-4012-10P	ZZL-4112-10P	ZZY-4112-10P	White
		ZZL-4012-10N	ZZL-4112-10N	ZZY-4112-10N	Yellow

* Pencil clip socket design - see page 2 for description.

** Split tine socket with napkin ring design - see page 2 for description.

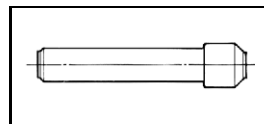
Printed Circuit Board/Wire-Wrap Contacts

A variety of different designs are available; please consult Amphenol, Sidney, NY for more information.

Reel Contacts

2000 contacts per reel (gold or rhodium plated) are available. Consult Amphenol, Sidney, NY for more information.

Sealing Plugs

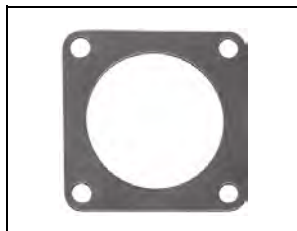


For sealing spare contact holes. Same sealing plug is used in both plug and receptacle.

Contact Size	Amphenol/Pyle No.	MS Number	Color Code
20	10-405996-20	MS-27488-20	Red
16	10-405996-16	MS-27488-16	Blue
12 & #1 Shielded	10-405996-12	MS-27488-12	Yellow
# 2 Shielded	10-405996-8	MS27187-4	White

Sealing Gaskets

For use with square flange mounted receptacles. Provide waterproofing and pressure sealing features.



Contact Size	Amphenol/Pyle No.
08	ZZL-6508-10D
10	ZZL-6510-10D
12	ZZL-6512-10D
14	ZZL-6514-10D
16	ZZL-6516-10D
18	ZZL-6518-10D
20	ZZL-6520-10D
22	ZZL-6522-10D
24	NA

Cable Supports - Aluminum