

TRB Connectors



TRB CABLE PLUG 3-SLOT MALE SOLDER CLAMP				
PLUG	PLUG & SPRING	COMPATIBLE TWINAX CABLE TYPE	RoHS	REACH
EE1001-40	EE1008-40	TWC-78-2, BC0078-40, TWCH-78-2, TWCP-78-2, 30-02001	✓	✓
EE1001-30	EE1008-30	TWC-78-1, BC0078-30, TWCP-78-1, 30-02003	✓	✓
EE1001-20	EE1008-20	M17/176-00002	✓	✓
EE1001-10	EE1008-10	BC0078-10, TWAC-78-1F2, 30-02002	✓	✓



TRB CABLE JACK 3-LUG FEMALE SOLDER CLAMP				
JACK	JACK & SPRING	COMPATIBLE TWINAX CABLE TYPE	RoHS	REACH
EE1002-40	EE1009-40	TWC-78-2, BC0078-40, TWCH-78-2, TWCP-78-2, 30-02001	✓	✓
EE1002-30	EE1009-30	TWC-78-1, BC0078-30, TWCP-78-1, 30-02003	✓	✓
EE1002-20	EE1009-20	M17/176-00002	✓	✓
EE1002-10	EE1009-10	BC0078-10, TWAC-78-1F2, 30-02002	✓	✓



TRB CABLE PLUG 3-SLOT MALE FULL CRIMP			
PLUG	COMPATIBLE TWINAX CABLE TYPE	RoHS	REACH
EE1005-20	STRAIGHT CRIMP PLUG FOR M17/176-00002	✓	✓
EE1006-20	RIGHT ANGLE CRIMP PLUG FOR M17/176-00002	✓	✓

Mating Interfaces

Electro's TRB 3-slot plugs and TRB 3-lug jacks are the most common mating interfaces in 1553B applications. Electro also offers connectors in 2-slot/lug, 4-slot/lug, and threaded mating interfaces. Call to request these alternate mating solutions.



3-Slot, 3-Lug



2-Slot, 2-Lug



4-Slot, 4-Lug



Threaded

Electro's TRB 3-Slot plugs and 3-Lug jacks are RoHS and REACH compliant.



Bulkhead Cable and Panel Jacks

TRB BULKHEAD CABLE JACK 3-LUG SOLDER/CLAMP (NON-ISOLATED)				
JACK	JACK & SPRING	COMPATIBLE TWINAX CABLE TYPE	RoHS	REACH
EE1003-40	EE1010-40	TWC-78-2, BC0078-40, TWCH-78-2, TWCP-78-2, 30-02001	✓	✓
EE1003-30	EE1010-30	TWC-78-1, BC0078-30, TWCP-78-1, 30-02003	✓	✓
EE1003-20	EE1010-20	M17/176-00002	✓	✓
EE1003-10	EE1010-10	BC0078-10, TWAC-78-1F2, 30-02002	✓	✓



TRB BULKHEAD CABLE JACK 3-LUG SOLDER/CLAMP (ISOLATED)				
JACK	JACK & SPRING	COMPATIBLE TWINAX CABLE TYPE	RoHS	REACH
EE1004-40	EE1011-40	TWC-78-2, BC0078-40, TWCH-78-2, TWCP-78-2, 30-02001	✓	✓
EE1004-30	EE1011-30	TWC-78-1, BC0078-30, TWCP-78-1, 30-02003	✓	✓
EE1004-20	EE1011-20	M17/176-00002	✓	✓
EE1004-10	EE1011-10	BC0078-10, TWAC-78-1F2, 30-02002	✓	✓

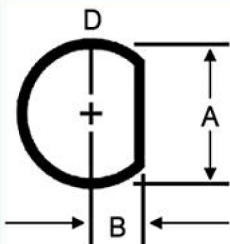
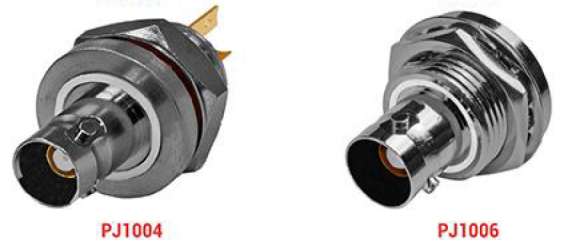


TRB 3-LUG FEMALE TO FEMALE BULKHEAD PANEL JACKS				
PART NUMBER	DESCRIPTION	MOUNT DIMENSION	RoHS	REACH
PJ1001	Non-isolated	D3.187	✓	✓
PJ1002	Isolated	D2.140	✓	✓

TRB 3-LUG FEMALE TO SOLDER POT BULKHEAD PANEL JACKS				
PART NUMBER	DESCRIPTION	MOUNT DIMENSION	RoHS	REACH
PJ1003	Non-isolated front mount	D2.125	✓	✓
PJ1005	Non-isolated rear mount	D3.218	✓	✓

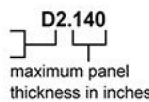


TRB 3-LUG FEMALE TO SOLDER POT BULKHEAD PANEL JACKS				
PART NUMBER	DESCRIPTION	MOUNT DIMENSION	RoHS	REACH
PJ1004	Isolated front mount	D2.140	✓	✓
PJ1006	Isolated rear mount	D2.140	✓	✓



Mounting Hole Sizes

D1 = (A) 0.755-0.760" (B) 0.343-0.346"
D2 = (A) 0.630-0.635" (B) 0.281-0.284"
D3 = (A) 0.505-0.510" (B) 0.218-0.221"
D4 = (A) 0.439-0.443" (B) 0.187-0.190"



D5 = (A) 0.380-0.384" (B) 0.156-0.159"

D6 = (A) 0.317-0.321" (B) 0.128-0.131"

D7 = (A) 0.281-0.285" (B) 0.125-0.128"

D8 = (A) 0.605-0.610" (B) 0.280-0.284"

D9 = (A) 0.567-0.572" (B) 0.257-0.260"



Electro's TRB 3-Lug jacks are RoHS and REACH compliant.



TRB Adapters

TRB STANDARD WITHIN-SERIES ADAPTERS

PART NUMBER	DESCRIPTION	RoHS	REACH
AD1001	TRB 3-lug jack to 3-lug jack barrel	✓	✓
AD1002	TRB 3-lug female – 3-slot male – 3-lug female tee	✓	✓
AD1003	TRB right angle 3-slot male to 3-lug female	✓	✓



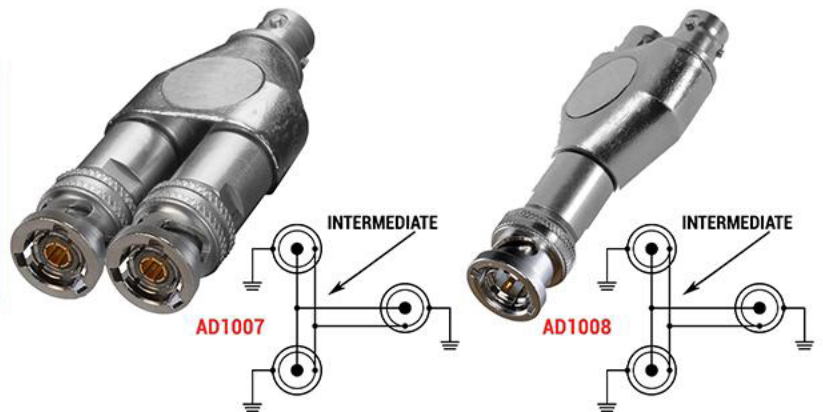
PRINTED CIRCUIT BOARD BULKHEAD JACKS

PART NUMBER	MOUNTING HOLE SIZE *	DESCRIPTION	RoHS	REACH
AD1013	D3.109	TRB Right-angle 3-lug jack to circuit board non-isolated	✓	✓
AD1014	D3.125	TRB Straight 3-lug jack to circuit board non-isolated	✓	✓



TRB FIXED PARALLELING JACKS

PART NUMBER	DESCRIPTION	RoHS	REACH
AD1007	TRB 3-lug jack to two TRB 3-slot plugs	✓	✓
AD1008	TRB 3-slot plug to two TRB 3-lug jacks	✓	✓



INTER-SERIES ADAPTERS

PART NUMBER	DESCRIPTION	RoHS	REACH
AD1009	TRB 3-slot plug to TRB 3-slot plug	✓	✓
AD1010	TRB 3-slot plug to BNC 2-lug jack	✓	✓
AD1011	BNC 2-slot plug to TRB 3-lug jack	✓	✓



TRB HERMETICALLY-SEALED BULKHEAD JACK FEEDTHRU

PART NUMBER	DESCRIPTION	RoHS	REACH
BJ78HS	3-lug female jack feedthrough (non-isolated)	✓	No

BJ78HS FEATURES	SPECIFICATIONS
Mounting hole size *	D3.187
Overall body width - inches (mm)	0.73" (18.54)
Overall body length - inches (mm)	1.29" (32.77)
Leak rate max (tracer gas at atmospheric pressure)	1x10 ⁻⁸ cc/sec
Dielectric withstanding voltage (between circuits)	500 V common mode



*See chart on Page 25 for mounting hole sizes

Crimp Tools and Cable Splicing

TRB & TRS Bushing/Shield Crimp Tools - Compatible Set



M22520/5-01



Y778 (CD5-8)



Y687 (CD5-9)

CRIMP TOOL DESCRIPTION	PART NUMBER	RoHS
Bushing/Shield Crimp Handle	M22520/5-01	✓
TRB Crimp Die Set	Y778	✓
TRS Crimp Die Set	Y687	✓

TRB Center Contact Crimp Tools - Compatible Set



M22520/1-01



TP837 (010-0044)



TP838 (010-0045)

CRIMP TOOL DESCRIPTION	PART NUMBER	RoHS
Center Contact Crimp Handle	M22520/1-01	✓
TRB Center Pin Positioner	TP837	✓
TRB Center Socket Positioner	TP838	✓

TRS Subminiature Center Contact Crimp Tools - Compatible Set



M22520/2-01



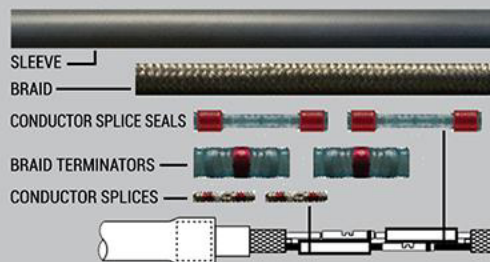
K815-S (010-0041)

CRIMP TOOL DESCRIPTION	PART NUMBER	RoHS
Center Contact Crimp Handle	M22520/2-01	✓
TRB Center Pin Positioner	K815-S	✓

Twinaxial Cable Splicing Tools - Compatible Set



AD-1377



DESCRIPTION	PART NUMBER	RoHS
Splice Crimp Tool	AD-1377	✓
Eight-Piece Splicing Kit	1553SPLICE-KIT	NO

Crimp Tool Compatibility Guide

FULL CRIMP CONNECTOR SERIES	CABLE GROUP	CABLE PART NUMBER	BUSHING/SHIELD CRIMP HANDLE	BUSHING/SHIELD CRIMP DIE SET	CENTER CONTACT CRIMP HANDLE	CENTER CONTACT POSITIONER
TRB Standard EE1005-xx EE1006-xx EE1012-xx	-40	TWC-78-2 BC0078-40 30-02001	M22520/5-01	Y778	M22520/1-01	TP837 use for pin contacts (plugs)
	-30	TWC-78-1 BC0078-30 30-02003				TP838 use for socket contacts (jacks)
	-20	M17/176-00002				
	-10	BC0078-10 TWAC-78-1F2				
TRS Subminiature EE1105-xx EE1106-xx	-30	TWC-78-1 BC0078-30 30-02003	M22520/5-01	Y687	M22520/2-01	K815-S use for pin (plugs) & socket (jacks) contacts
	-20	M17/176-00002				
	-10	BC0078-10 TWAC-78-1F2				

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TRB Connectors

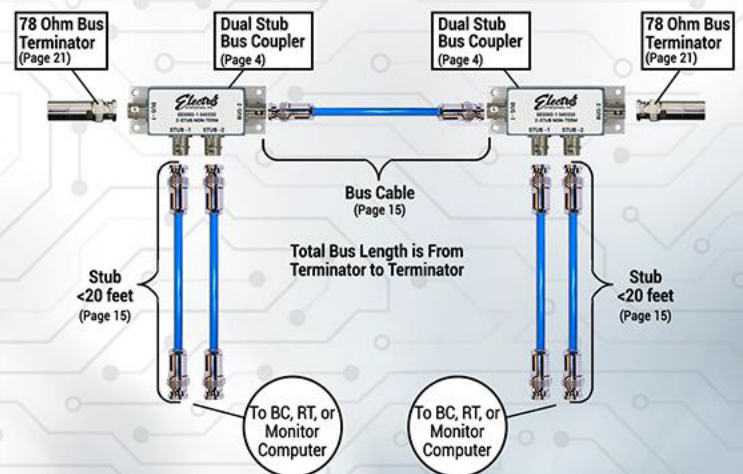
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**CONTACT ELECTRO FOR CABLE
HARNESS MANUFACTURING**

TROMPETER
RF connectivity

cinch
CONNECTIVITY SOLUTIONS
a bel group