

# MIL-T-81714/21, /23 Series I

MIL-T-81714/21, /23 Series I Compatible  
Electronic Splices Single/Dual/Diode

## Operating Range

Temperature:  
-65°C to 200°C  
Insulation Resistance:  
5000 Megaohms  
Dielectric Withstanding Voltage:  
1500 VRMS at Sea Level  
200 VRMS at 100,000 ft.  
Vibration & Shock:  
Per AS-81714  
Paragraph 3.5.8 and 3.5.9

## Materials

Insulator Body:  
Polyetherimide per ASTM-D5205  
Grommet:  
Silicone Rubber per A-A-59588  
Internal contact  
Copper Alloy, Gold Finish  
Accordance with MIL-G-45204



## Product Description

Amphenol Pcd is pleased to announce the support for MIL-T-81714/21 and /23 Series I Inline Electronic Splices, with Fuses and Diodes. These products are QPL. Typical applications include power distribution on aircraft, military ground vehicles and seaborne systems in harsh environments. Amphenol Pcd electronic splices provide a convenient way to insert electronics into your circuit using our proven technology.

Amphenol Pcd Terminal Junction Splices MIL-T-81714/21 Single MIL STD

Circuit Diagram	APCD P/N	Part	Part P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE22311 <small>*M81714/21-1D001</small>	Diode	JAN1N5618	1*		TJSE20312 <small>*M81714/21-1D003</small>	Diode	JAN1N4148	1*
	TJSE20311 <small>*M81714/21-1D002</small>	Diode	JAN1N5618	1*		TJSE20313 <small>**M81714/21-1D004</small>	Diode	JAN1N5620	1*

Amphenol Pcd Terminal Junction Splices MIL-T-81714/21 Single Compatible

Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE20100	Resistor	10KΩ 1/2W	1		TJSE20106	Resistor	110Ω 1W	1
	TJSE20101	Resistor	22Ω 1/2W	1		TJSE20107	Resistor	80.6Ω 1W	1
	TJSE20102	Resistor	56Ω 1/2W	1		TJSE20108	Resistor	49.9Ω 1W	1
	TJSE20103	Resistor	330Ω 1/2W	1		TJSE20109	Diode	JANTX1N4488	1
	TJSE20104	Resistor	430Ω 1/2W	1		TJSE20110	Diode	1N4005	1
	TJSE20113	Resistor	120Ω 1/2W	1		TJSE20111	Diode	JANTX1N5618	1
	TJSE20105	Resistor	75Ω 1W	1		TJSE22112	Diode	1N4007	1*

Amphenol Pcd Terminal Junction Splices MIL-T-81714/23 Single MIL STD

Circuit Diagram	APCD P/N	Part	Vale	Quantity	Circuit Diagram	APCD P/N	Part	Value	Quantity
	TJSE20331 <small>M81714/23-1D001</small>	Fuse	1/16 Amp 125V	1*		TJSE20332 <small>M81714/23-1D002</small>	Fuse	1/8 Amp 125V	1*

\* With Contacts

# MIL-T-81714/23 Series 1

## Electronic Terminal Junction Splices

MIL-T-81714/24 Series I Compatible



### Product Description

Amphenol Pcd's Electronic Terminal Junction Splices are available with a variety of components and in a wide range of configurations. Components available include but are not limited to diodes, resistors, fuses, capacitors, thyristors, and inductors, and are also available with multiple components within one module. The following are currently available, but new configurations are produced regularly and customized components are also available. M81714/23 are QPL. M81714/24 are not QPL.

Amphenol Pcd Terminal Junction Splices MIL-T-81714/23 Single MIL STD

Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE20333 *M81714/23-1D003	Fuse	1/4 Amp 125V	1*		TJSE20340 *M81714/23-1D010	Fuse	2-1/2 Amp 125V	1*
	TJSE20334 *M81714/23-1D004	Fuse	3/8 Amp 125V	1*		TJSE20341 *M81714/23-1D011	Fuse	3 Amp 125V	1*
	TJSE20335 *M81714/23-1D005	Fuse	1/2 Amp 125V	1*		TJSE20342 *M81714/23-1D012	Fuse	3-1/2 Amp 125V	1*
	TJSE20336 *M81714/23-1D006	Fuse	3/4 Amp 125V	1*		TJSE20343 *M81714/23-1D013	Fuse	4 Amp 125V	1*
	TJSE20337 *M81714/23-1D007	Fuse	1 Amp 125V	1*		TJSE20344 *M81714/23-1D014	Fuse	5 Amp 125V	1*
	TJSE20338 *M81714/23-1D008	Fuse	1-1/2 Amp 125 V	1*		TJSE20345 *M81714/23-1D015	Fuse	7 Amp 125V	1*
	TJSE20339 *M81714/23-1D009	Fuse	2 Amp 125V	1*		TJSE20346 *M81714/23-1D016	Fuse	10 Amp 125V	1*

Amphenol Pcd Terminal Junction Splices MIL-T-81714/24 Double Compatible Size 20

Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE20501	Inductor	100 μH	1*		TJSE20513	Capacitor	620pF	1*
	TJSE20503	Fuse	5 Amp 125V	1*		TJSE20514	Fuse	1.5Amp 125V	1*
	TJSE20505	Resistor	39Ω 1W	1*		TJSE20515	Resistor	3KΩ 1/4W	1*
	TJSE20506	Resistor	120Ω 1W	2*		TJSE20516	Resistor	3KΩ 1/4W	1*
	TJSE20509	Fuse	5 Amp 125V	2*		TJSE20517	Resistor	470Ω 1/4 W	1
	TJSE20510	Fuse	1 Amp 125V	1*		TJSE20518	Resistor	3KΩ 1W	2*

\* With Contacts

# Electronic Terminal Junction Splices

MIL-T-81714/24 Series I Compatible

Size 20, 22

Amphenol Pcd Terminal Junction Splices MIL-T-81714/24 Double Compatible Size 20

Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE20519	Resistor	50Ω 1W	2*		TJSE20566	Resistor	120Ω 0.5W 350V	2*
	TJSE20520	Capacitor	390pF	1*		TJSE20571	Fuse	3Amp 125V	1*
	TJSE20523	Resistor	15KΩ 1/4W	1*		TJSE20602	Diode	JANTX1N5618	2
	TJSE20524	Resistor	5.1KΩ 1/4W	1*		TJSE20603	Resistor	5.1KΩ 1/4W	2*
	TJSE20525	Resistor	10KΩ 1/8W	1		TJSE20703	Diode	1N5819	2*
	TJSE20526	Resistor	910KΩ 1/4W	1		TJSE20704	Diode	JANTX1N5614	1*
	TJSE20527	Resistor	1.3KΩ 1/4W	1		TJSE20705	Diode	JANTX1N5622	1*
	TJSE20530	Resistor	1KΩ 1W 1N5244	1* 1		TJSE20706	Diode	JANTX1N5622	2*
	TJSE20533	Fuse Diode	2Amp 125 V	1*		TJSE20707	Diode	JANTX1N5622	2*
	TJSE20535	Fuse	7Amp 125V	1*		TJSE20708	Diode	JANTX1N5622	2*
	TJSE20537	Resistor	69.8Ω 1/4W	1*		TJSE20709	Diode	JANTX1N5622	2*
	TJSE20553	Resistor	1KΩ 1/2W	1*		TJSE20710	Diode	1N4006	1
	TJSE20554	Resistor	18KΩ 1W	2*		TJSE20711	Diode	1N4006	2
	TJSE20555	Resistor	18KΩ 1W	1*		TJSE20712	Diode	1N4007	1
	TJSE20559	Diode	JANTX1N5554	1		TJSE20713	Diode	JANTX1N3957	1
	TJSE20561	Diode	1N5061	1*		TJSE20716	Resistor	200Ω 1/8W	1*

\* With Contacts

# Electronic Terminal Junction Splices

MIL-T-81714/24 Series I Compatible

Size 20, 22

Amphenol Pcd Electronic Terminal Junction Splices MIL-T-81714/24 Double Compatible Size 20									
Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJSE20722	Diode	JANTX1N5819	1*		TJSE20818	Resistor	100KΩ 1/4W	2
	TJSE20723	Diode	JANTX1N5622	2*		TJSE20820	Resistor	2MΩ 1/4W	1
	TJSE20724	Diode	1N4006	2*		TJSE20821	Resistor	1MΩ 1/4W	1
	TJSE20725	Diode	JANTX1N5622	2*		TJSE20822	Resistor	49.9KΩ 1/4W	1
	TJSE20726	Diode	1N4006	2*		TJSE20826	Resistor	3.9Ω 1W	2
	TJSE20727	Resistor	4.7KΩ 3/4W	1*		TJSE20828	Resistor	4Ω 1/2W	1
	TJSE20804	Resistor	4.9KΩ 1/2W	1		TJSE20829	Resistor	16Ω 1/2W	1
	TJSE20805	Diode	1N6075	2		TJSE20830	Fuse	0.5Amp 125V	1*
	TJSE20806	Diode	1N4448	2		TJSE20834	Resistor	4.02Ω 1W	1*
	TJSE20807	Resistor	5KΩ 1W	2		TJSE20835	Resistor	1KΩ 1/4W	1*
	TJSE20808	Resistor	1KΩ 1W	2		TJSE20836	Resistor	3.1KΩ 1/4W	1*
	TJSE20809	Resistor	5.76KΩ 1W	2		TJSE20838	Resistor	750Ω 1W	1*
	TJSE20810	Resistor	7.87KΩ 1W	2		TJSE20843	Diode	1N5622	1*
	TJSE20811	Resistor	16.2KΩ 1W	2		TJSE20901	Resistor	100KΩ 1/4W	1*
	TJSE20812	Resistor	20KΩ 1W	2		TJSE20902	Resistor	200KΩ 1/4W	1*
	TJSE20813	Resistor	22.1KΩ 1W	2		TJSE20903	Resistor	300KΩ 1/4W	1*
	TJSE20816	Resistor	10KΩ 1/4W	2		TJSE20904	Resistor	402KΩ 1/4W	1*
	TJSE20817	Resistor	30.1KΩ 1/4W	2		TJSE20905	Diode	JANTX1N4488	2

\* With Contacts

# Electronic Terminal Junction Splices

MIL-T-81714/24 Series I Compatible

Size 20, 22

Amphenol Pcd Electronic Terminal Junction Splices MIL-T-81714/24 Double Compatible Size 22

Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity
	TJSE22503	Fuse	5 Amp 125V	1*		TJSE22706	Diode	JANTX1N5622	2*
	TJSE22504	Diode Resistor	JANTX1N5618 1K $\Omega$ 1/4W	1* 1*		TJSE22707	Diode	JANTX1N5622	2*
	TJSE22510	Fuse	1 AMP 125V	1*		TJSE22708	Diode	JANTX1N5622	2*
	TJSE22514	Resistor	10K $\Omega$ 1/4W	1		TJSE22709	Diode	JANTX1N5622	1*
	TJSE22517	Resistor	120 $\Omega$ 1W	1*		TJSE22711	Diode	1N4006	2*
	TJSE22518	Resistor	120 $\Omega$ 1W	1		TJSE22720	Resistor	78.7 $\Omega$ 1/4W	2*
	TJSE22519	Resistor Capacitor	120 $\Omega$ 1W 1000pF	1* 1*		TJSE22839	Resistor	4.99 $\Omega$ 1/4W	1*
	TJSE22521	Resistor	49.9 $\Omega$ 1W	1*		TJSE22840	Resistor	3.24 $\Omega$ 1/4W	1*
	TJSE22523	Resistor	75 $\Omega$ 1/4W	2		TJSE22841	Resistor	39.2 $\Omega$ 1/4W	1*
	TJSE22550	Resistor	274 $\Omega$ 1W	1*		TJSE22842	Resistor	47.5 $\Omega$ 1/4W	1*
	TJSE22701	Diode	JANTX1N5618	1*		TJSE22843	Resistor	100 $\Omega$ 1/4W	1*
	TJSE22702	Diode	JANTX1N5618	2*		TJSE22845	Resistor Capacitor	120 $\Omega$ 1W 10,000pF	1* 1*
	TJSE22705	Diode	JANTX1N5622	1*	* With Contacts				