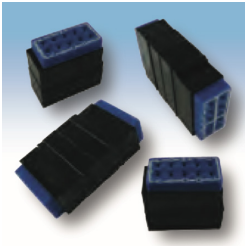


SERIES I TERMINAL JUNCTION MODULES

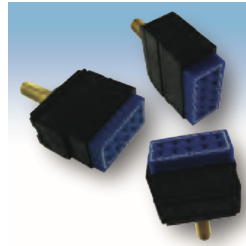
Amphenol Pcd



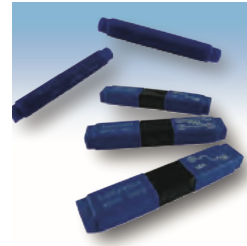
**Feedback,
Feedthrough &
Bussing Modules**



Electronic Modules



Ground Modules



**Single & Dual
In-Line Splices &
Electronic Splices**



Mounting Tracks

Series I Terminal Junction Modules are robust, reliable and performs to M81714 electrical and mechanical standards. Offered in various types and configurations: Feedback/Feedthrough, Electronic, In-Line Splice, and Ground, Series I Terminal Junction Modules use standard M39029/1 pin contacts. Mounting rail and installation/termination accessories are available and customization is always an option.

Features & Benefits

Performs to M81714 electrical and mechanical standards

M39029/1 Contacts

Meets Mil-C-39029 standards

Integral Socket/Bus Bar

Assures electrical and mechanical integrity over long product life

Integral Contacts

High conductivity allow for optimum electrical performance

Split socket design

Provides peripheral surface wipe and contact, uses the maximum mating surfaces of pin and contact

Multiple product types

Wide range of products, four standard sizes, accommodates 12-26 AWG wires

Class D Module System

Combines max high temperature and high fluid resistance performance parameters previously divided among three module classes- A, B, C

Electronic Systems

Modules can be supplied with a variety of diode, resistors, capacitors, and fuses

Class 3B Silicone Sealant

Tear and flex resistant silicone

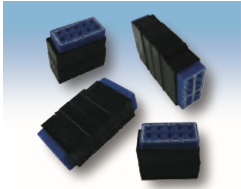
Ultrasonic Bonding & Proprietary Epoxy

No bond lines and ultrasonic fusing means few voids, longer field life

Non QPL Coverage

TJM	Size 12, 16, 20	M81714 Style /1, /2, /3, /4, /6, /7, /8, /9
TJE	Size 12, 16, 20 Electronic	Performs to M81714/26, /25 electrical and mechanical standards
TJHD	Size 22 Electronic	M81714 Style /17
TJT	Tracks	M81714 Style /5, /10, /16 (light weight)
TJF	Flange Ground	Performs to M81714/28 electrical and mechanical standards
TJG	Stud Ground	Performs to M81714/27 electrical and mechanical standards
TJS	Single & Double Splices	M81714 Style /11, /12
TJSE	Electronic Splices	M81714 Style /21, /23, /24

* Electronic coverage includes: Resistors, capacitors, fuses and diodes



Feedback, Feedthrough & Bussing Modules

TJM and TJHD modules offer a lightweight junction system with a full range of bussing arrangements and contact sizes. TJM and TJHD modules perform to M81714 electrical and mechanical standards.



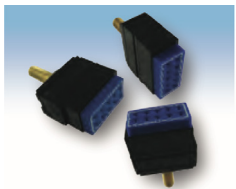
Electronic Modules

TJE electronic modules offer a wide variety of diodes, resistors, capacitors and fuses in a Series I form factor. TJE modules perform to M81714 electrical and mechanical standards. Many variations are available, and custom options are always available.



In-Line Splices

M81714 Style Splices/Electronic Splices designed to provide a quick and efficient solution to application design wiring requirements and are highly resistant to temperature and fluids. Supplied with a wide variety of diodes, resistors, capacitors, and fuses. Amphenol's electronic solutions allow customers to incorporate system modifications into a wire bundle, avoiding changes in panels or boards.



Grounding Modules

Multi-contact grounding/bus connection modules are provided with an integral threaded grounding stud or flange. The stud and flange is electrically and mechanically common to all internal contacts of the module. Ground modules perform to M81714/27 electrical and mechanical standards.



Module Mounting Tracks & Brackets

One track holds all module sizes with STD, lightweight & feed through types available. Each track unit consists of an aluminum alloy track and anodized black locking clamp. The stainless steel clamp screw is self locking to meet vibration, shock and temperature variation requirements. /29 mounting brackets also available.

Materials & Specifications

Materials	Insulator Body: Polyetherimide, black
	Grommet: Silicone elastomer, blue
	Contact Retainer: Stainless Steel
Temperature Range	-65°C to 200°C
Insulation Resistance	>5000 MΩ Per AS81714, para. 3.5.11
Dielectric Withstanding	1500 Vrms @ Sea Level
	200 Vrms @ 100,000 ft. altitude
Current Ratings	Size 22/22: 5 Amps
	Size 20/20: 7.5 Amps
	Size 16/16: 13 Amps
	Size 12/12: 23 Amps
Vibration	Per AS81714, para. 3.5.8
Shock	Per AS81714, para. 3.5.9

NEW Electronic Splices

M81714 Style /21	Inline Diodes
M81714 Style /23	Inline Fuses

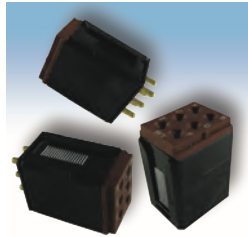
M39029/1 Contacts

M39029/1-100	Size 22
M39029/1-101	Size 20

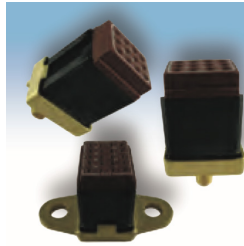
Available Immediately!



**Feedback,
Feedthrough &
Bussing Modules**



**Board Mount
Modules**



Ground Modules



Sealed Splices



Mounting Tracks

Series II Socket Junction Modules are robust, reliable and performs to M81714 electrical and mechanical standards. Offered in various types and configurations: Feedback/Feedthrough, Electronic, In-Line Splice, and Ground, Series II Socket Junction Modules Series II uses M39029/22 socket contacts pin contacts. Mounting rail and installation/termination accessories are available and customization is always an option.

Features & Benefits

Performs to M81714 electrical and mechanical standards

M39029/22 Contacts

Meets Mil-C-39029 standards

Integral Socket/Bus Bar

Assures electrical and mechanical integrity over long product life

Integral Contacts

High conductivity allow for optimum electrical performance

Split socket design

Provides peripheral surface wipe and contact, uses the maximum mating surfaces of pin and contact

Multiple product types

Wide range of products, four standard sizes, accommodates 12-26 AWG wires

Class D Module System

Combines max high temperature and high fluid resistance performance parameters previously divided among three module classes- A, B, C

Electronic Systems

Modules can be supplied with a variety of diode, resistors, capacitors, and fuses

Class 3B Silicone Sealant

Tear and flex resistant silicone

Ultrasonic Bonding & Proprietary Epoxy

No bond lines and ultrasonic fusing means few voids, longer field life

Non QPL Coverage

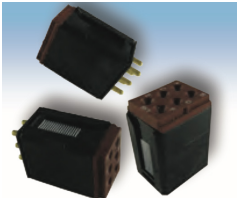
SJM	Modules	M81714 Style /61
SJE	Electronics	Performs to M81714 /62 electrical and mechanical standards
SJT	Metal Track	M81714 Style /67
SJTC	Composite Track	Performs to M81714 /67 electrical and mechanical standards
SJG	Ground Modules	M81714 Style /63
SJS	Single & Double Splices	M81714 Style /65
SJP	Board Mount	Performs to M81714 electrical and mechanical standards

* Electronic coverage includes: Resistors, capacitors, fuses and diodes



Feedback, Feedthrough & Bussing Modules

SJM feedback modules offer a lightweight junction system with a full range of bussing arrangements and contact sizes. SJM modules perform to M81714/60, /61 electrical and mechanical standards.



Electronic Modules

SJE electronic modules offer a wide variety of diodes, resistors, capacitors and fuses in a Series II form factor. TJE modules perform to M81714 electrical and mechanical standards and have many /62 equivalents. Many variations are available, and custom options are always available.



In-Line Splices

M81714 Style Splices/Electronic Splices designed to provide a quick and efficient solution to application design wiring requirements and are highly resistant to temperature and fluids. Supplied with a wide variety of diodes, resistors, capacitors, and fuses. Amphenol's electronic solutions allow customers to incorporate system modifications into a wire bundle, avoiding changes in panels or boards.



Grounding Modules

M81714 Style /63, flange and socket grounding modules mount directly to a ground plane or grounding stud creating a multi-wire sealed grounding device. The grounding modules could also be mounted to a bus bar for power distribution, sensing or metering. All mounting configuration are available. The mounting stud is available in gold or tine plating. Flange and stud units perform to M81714/63 electrical and mechanical standards.



Mounting Tracks

Series II aluminum mounting tracks perform to M81714/67 electrical and mechanical standards and can accommodate up to 40 modules. Composite mounting tracks are approximately 45% lighter than the aluminum and can accommodate up to 20 modules.

Materials & Specifications

Materials	Insulator Body: Polyetherimide, black
	Grommet: Silicone elastomer, blue
	Contact Retainer: Stainless Steel
Temperature Range	-65°C to 200°C
Insulation Resistance	>5000 MΩ Per AS81714, para. 3.5.11
Dielectric Withstanding	1500 Vrms @ Sea Level
	200 Vrms @ 100,000 ft. altitude
Current Ratings	Size 22/22: 5 Amps
	Size 20/20: 7.5 Amps
	Size 16/16: 13 Amps
	Size 12/12: 23 Amps
Vibration	Per AS81714, para. 3.5.8
Shock	Per AS81714, para. 3.5.9