

# Quadrax Transition Adapters

## General Description

### AMPHENOL TRANSITION ADAPTERS

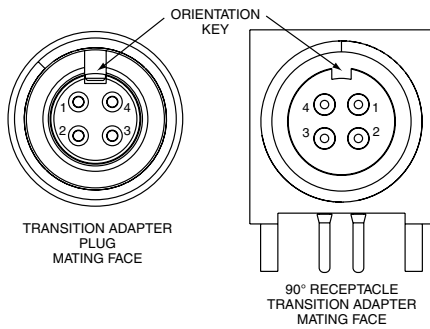
Are used to facilitate launching of controlled impedance signals to printed circuit boards. Amphenol provides transition adapters in both contact types:

- Quadrax transition adapters, 90° or straight receptacles threaded or cable to board style



90° Quadrax Receptacle and Plug Transition Adapter

### SUGGESTED NUMBERING FOR TRANSITION ADAPTERS WITH QUADRAX CONTACTS

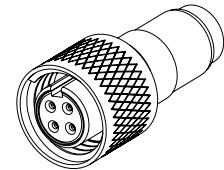


### ELECTRICAL PROTOCOLS FOR QUADRAX TRANSITION ADAPTERS

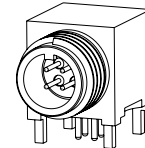
Impedance (Ohms)	Electrical Protocol††	Part Number	
		Plug	Receptacle
100	Ethernet, Gigabit Ether	21-033836-031	
	Ethernet, Gigabit Ether	21-033836-041	
	Ethernet, Gigabit Ether	21-033836-051	
	Ethernet, Gigabit Ether	21-033836-061	
		21-033837-101	
			21-033837-081 (90°)
			21-033837-091 (straight)
			21-033837-041 (90°)
	Ethernet, Gigabit Ether		21-033837-051 (straight)
			21-033837-061 (90°)
		21-033837-141 (90°)	
150	1000 Base CX, Fibre channel	21-033836-021	
		21-033837-111	
	1000 Base CX, Fibre channel		21-033837-021 (90°)
			21-033837-211 (jam nut)
			21-033837-031 (straight)
		21-033837-071 (90°)	

††Test reports available for indicated protocols; consult Amphenol Aerospace.

QUADRAX TRANSITION ADAPTER PLUG



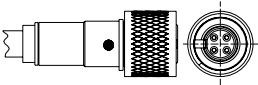
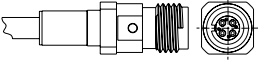
QUADRAX TRANSITION ADAPTER 90 DEGREE RECEPTACLE



# Quadrax Transition Adapters

## MIL-DTL-38999, Series III, Part Number Guide

### 100 OHM QUADRAX TRANSITION ADAPTERS FOR LAUNCHING CONTROLLED IMPEDANCE SIGNALS TO PC BOARDS

Illustration of Adapter	Impedance (Ohms)	Quadrax Type Adapter/ Cable or PCB Tail Length	Mating Thread Size	Part Number (Termination Instruction Sheet)**	
				Plug	Receptacle
	100	Quadrax Plug Adapter/ 24443/03130X-4(LD)	.375	21-033836-031 (L-2119-U)	
		24443/9P025X-4(LD)			
		NF24Q100-01			
		S280W502-4			
		Tensolite NF24Q100			
		Thermax 956-4TN			
		Quadrax Plug Adapter/ Draka Fileca F-4704-5		21-033836-041 (L-2119-W)†	
		NF22Q100-01			
		Tensolite NF22Q100			
		Tensolite 24450/030894-4(LD)			
		Thermax 956-5			
		Quadrax Plug Adapter/ Draka Fileca F-4703-3, F-4704-4			21-033836-051 (L-2119-Y)
		Quadrax Plug Adapter/ NF26Q100		21-033836-061 (L-2119-AM)†	
		Gore RCN8724 (30 awg)		21-033836-071	
		Gore ACN1042 (28 awg)		21-033836-101	
		Gore RCN8973			
		Draka Fileca F4703-3, F-4704-4		21-033836-121	
		Gore RCB8422		21-033836-131	
Gore RCN8422	21-033836-131				
Gore RCN8982	21-033836-141				
Draka Fileca F4704-06	21-033836-151				
Quadrax Plug Adapter/ Hexnut with Lock Wire Holes Tensolite RCN8467	21-033836-081				
Tensolite NF24Q100-01	21-033836-111				
	100	Quadrax Receptacle Straight Adapter in-line jam nut (threaded)/ GSC-10-8273900	.375		21-033837-081 (L-2119-AR)†
		Quadrax Receptacle Straight Adapter in-line jam nut (threaded)/ Tensolite NF24Q100-01			21-033837-261
		Quadrax Receptacle Straight Adapter in-line (threaded)/ NF24Q100		21-033837-091 (L-2119-BL)	
		S280W502-4			
		Tensolite 24443/03130X-4 (LD)			
		Tensolite 24443/9P025X -4 (LD)			
		Tensolite NF24Q100-01			
		Thermax 956-4TN			
		NF26Q100-01			21-033837-341

Daniels crimping tools are available from  
Daniels Mfg. Corp. 6103 Anno Ave., Orlando, FL 32809

† Consult Amphenol Aerospace for current release of this adapter & instruction sheet if applicable. See electrical protocols for transition adapters on page 24

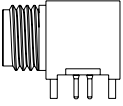
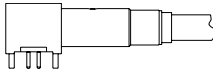
\*\* Termination instructions are packaged with each contact and can be found on-line at:  
[www.amphenol-aerospace.com/serviceinstructions.asp](http://www.amphenol-aerospace.com/serviceinstructions.asp)

Quadrax, Differential Twinax

Adapters

# Quadrax Transition Adapters

## MIL-DTL-38999, Series III, Part Number Guide

100 OHM QUADRAX TRANSITION ADAPTERS FOR LAUNCHING CONTROLLED IMPEDANCE SIGNALS TO PC BOARDS						
Illustration of Adapter	Impedance (Ohms)	Quadrax Type Adapter/ Cable or PCB Tail Length	Mating Thread Size	Part Number (Termination Instruction Sheet)**		
				Plug	Receptacle	
 Mating plugs and receptacles	100	PCB Quadrax Receptacle 90 Degree Adapter/ Tail Length .110	.375		21-033837-041	
		PCB Quadrax Receptacle 90 Degree Adapter/ Tail Length .200			21-033837-201	
		PCB Quadrax Receptacle Straight Adapter/ Tail Length .110			21-033837-051	
		PCB Quadrax Receptacle Straight Adapter/ Special Tail Length (.200)			21-033837-061	
		Straight adapter/ Tail Length .175			21-033837-131	
		PCB Quadrax Receptacle Straight Adapter/ Tail Length .110 except .019" diameter inner contact tails			21-033837-291	
 Wired to board	100	Quadrax Receptacle 90 degree Adapter with cable to board/ NF24Q100 Tail Length .110			21-033837-141 (L-2119-BB)†	
		Quadrax Receptacle 90 degree Adapter with cable to board/ ABS1503KD24 Tail Length .110			21-033837-231	
		Tensolite NF22Q100-01				
		Thermax 956-5				
		Draka Fileca F4704-5				
		Quadrax Receptacle Straight Adapter with cable to board/ NF24Q100, NF24Q100-01 Tail Length .195				21-033837-101 (L-2119-AN)
Quadrax receptacle straight adapter w/ cable to board/ Tail length .195 Draka Fileca F-4703-3, F-4703-4				21-033837-241		

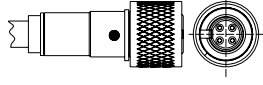
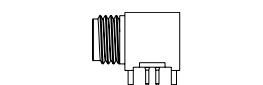
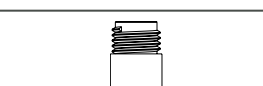
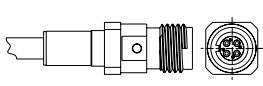
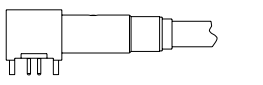
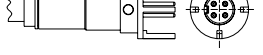

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Anno Ave., Orlando, FL 32809

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† Consult Amphenol Aerospace for current release of this adapter and instruction sheet if  
applicable. See electrical protocols for transition adapters on page 24.

# Quadrax Transition Adapters

## MIL-DTL-38999, Series III, Part Number Guide

150 OHM QUADRAX TRANSITION ADAPTERS FOR LAUNCHING CONTROLLED IMPEDANCE SIGNALS TO PC BOARDS						
	Illustration of Adapter	Impedance (Ohms)	Quadrax Type Adapter/ Cable or PCB Tail Length	Mating Thread Size	Part Number (Termination Instruction Sheet)**	
					Plug	Receptacle
Mating plugs and receptacles		150	Quadrax Plug Adapter/ Tensolite 26473/02006X-4(LD), Gore RCN8328	.375	21-033836-021 (L-2119-S)	
			PCB Quadrax Receptacle 90 Degree Adapter/ Tail Length .110			21-033837-021
			PCB Receptacle 90 Degree Adapter/ Tail Length .200			21-033837-251
			PCB Quadrax Receptacle Straight Adapter/ Tail Length .110			21-033837-031
Wired to board		150	Quadrax Receptacle Straight Adapter in-line Jam Nut (threaded)/ Tensolite 26473/02006X-4 (LD), Gore RCN8328			21-033837-211 (L-2119-BY)
			Quadrax Receptacle 90 degree Adapter with cable to board/ Tensolite 26473/02006X-4			21-033837-071 (L-2119-AI)†
			Quadrax Receptacle Straight Adapter with cable to board/ Tensolite 26473/02006X-4 (LD)			21-033837-111 (L-2119-AP)

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