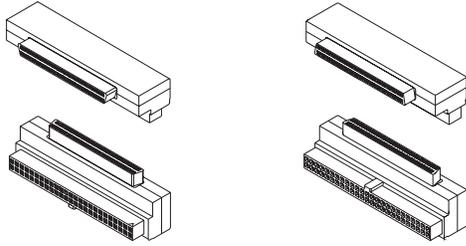


SCSI RIGHT ANGLE FEMALE TO FEMALE INTERFACE ADAPTER

50 Position Female to 68 Position Female (8 Bit to 16 Bit/16 Bit to 8 Bit)



Key Out
P/N 980212-1F2-3F0

Key In
P/N 980212-1F1-3F0

Meritec's Right Angle Female to Female adapters allow reliable interfacing between a SCSI-1 and SCSI-3. The adapters mate with 50 position .100 x .100 grid SCSI-1 low profile shrouded headers and 68 position .050 x .100 grid SCSI-3 plugs. The short overall length between mating faces and the 90-degree right angle eliminates back-plane packaging restrictions. These adapters are available with customer specific pinout, filtering and termination.

FEATURES and BENEFITS

- Allows reliable interfacing of 8 bit to 16 bit and 16 bit to 8 bit devices
- Eliminates the need for multiple cable assembly configurations
- Short overall length between mating faces allows dense packaging
- High withdrawal force contacts
- Dual wipe contacts
- Low inductance, short electrical path
- Ultra SCSI/fast-20 compliant
- Meets ANSI Specifications X3-131-1986
- Standard product pinouts meet SCSI specifications
- Available in customer specific pinout, filtering and termination

For custom connector solutions or the name and location of your nearest Meritec Sales Representative, call 1-888-MERITEC (888-637-4832).

SPECIFICATIONS

ELECTRICAL:

- Contact Resistance - 15 milliohm (maximum)
- Dielectric withstanding voltage - 500 VAC (RMS)
- Current rating - 1.0 amp (continuous)
- Insulation resistance - $>1 \times 10^{12}$ ohms @ 300 VDC

MECHANICAL:

- Contact material - copper alloy
- Contact finish - selectively plated contact surface consists of 30 micro inches gold (minimum) over 50 micro inches nickel minimum)
- Insertion force
 - 50 pos - 150 grams/contact nominal
 - 68 pos - 75 grams/contact nominal
- Withdrawal force
 - 50 pos - 95 grams/contact nominal
 - 68 pos - 50 grams/contact nominal
- Dielectric material:
 - Connector body - liquid crystal polymer
 - Backshell - glass filled polyester

ENVIRONMENTAL:

- Material - U.L. rated 94 V-0
- Temperature rating - -40°C to $+105^{\circ}\text{C}$



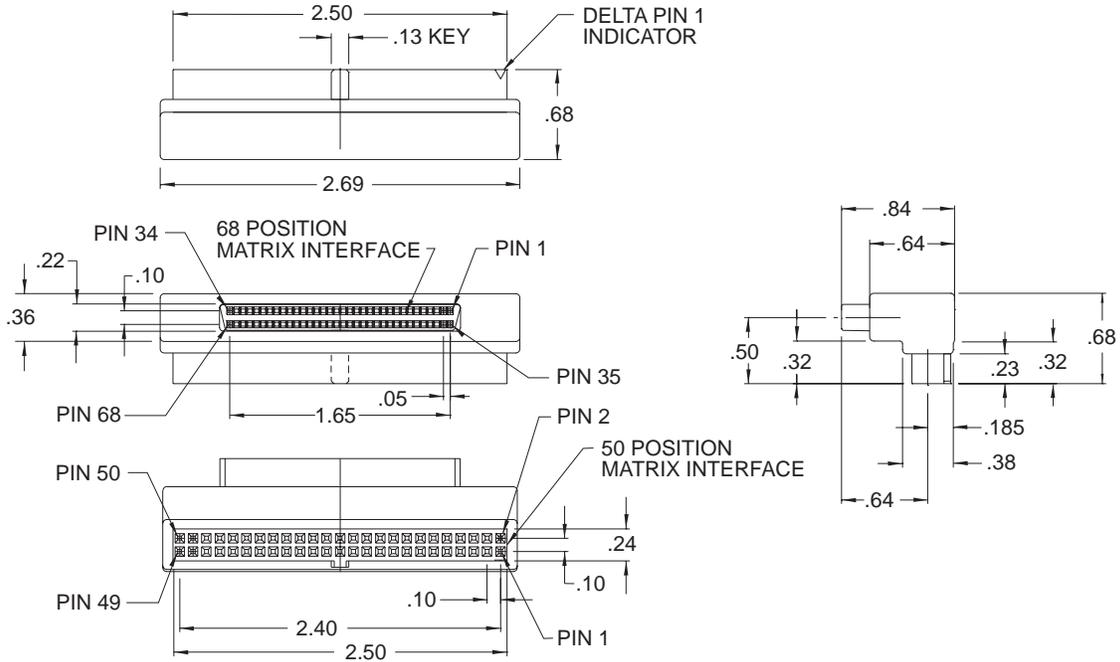
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PHONE: 888-MERITEC or (888-637-4832) / (440) 354-3148 • FAX: (440) 354-0509 • INTERNET: WWW.MERITEC.COM

SCSI RIGHT ANGLE FEMALE TO FEMALE INTERFACE ADAPTER

Key Out Illustration
P/N 980212-1F2-3F0

50 Position Female to 68 Position Female
(8 Bit to 16 Bit/16 Bit to 8 Bit)



SCSI 68 POS. RECEPTACLE UNSHIELDED TO SCSI 50 POS. FEMALE LOW DENSITY UNSHIELDED

GND - 01	10pF	35 - DB12	
GND - 02	10pF	36 - DB13	
GND - 03	10pF	37 - DB14	
GND - 04	10pF	38 - DB15	
GND - 05	10pF	39 - DBP16	
GND - 06	01	02 - 40 - DB00	
GND - 07	03	04 - 41 - DB01	
GND - 08	05	06 - 42 - DB02	
GND - 09	07	08 - 43 - DB03	
GND - 10	09	10 - 44 - DB04	
GND - 11	11	12 - 45 - DB05	
GND - 12	13	14 - 46 - DB06	
GND - 13	15	16 - 47 - DB07	
GND - 14	17	18 - 48 - DBP	
GND - 15	19	20 - 49 - GND	
GND - 16	21	22 - 50 - GND	
TERMPWR - 17	N/C - 23	24 - N/C	51 - TERMPWR
TERMPWR - 18	N/C - 25	26	52 - TERMPWR
RESERVED - 19-N/C-N/C-27		28-N/C N/C-53	RESERVED
GND - 20	29	30	54 - GND
GND - 21	31	32	55 - ATN
GND - 22	33	34	56 - GND
GND - 23	35	36	57 - BSY
GND - 24	37	38	58 - ACK
GND - 25	39	40	59 - RST
GND - 26	41	42	60 - MSG
GND - 27	43	44	61 - SEL
GND - 28	45	46	62 - C / D
GND - 29	47	48	63 - REQ
GND - 30	49	50	64 - I / O

50 POSITION			
GND - 31	10pF	65 - DB08	
GND - 32	10pF	66 - DB09	
GND - 33	10pF	67 - DB10	
GND - 34	10pF	68 - DB11	
68 POSITION SIDE 1		68 POSITION SIDE 2	

For ordering information or customer specific pinout, filtering and termination requirements, please call Customer Service at (888) MERITEC (888-637-4832).

Note: Pinout illustrated per ANSI Spec X3-131-1986 and is identical for key in or key out versions.



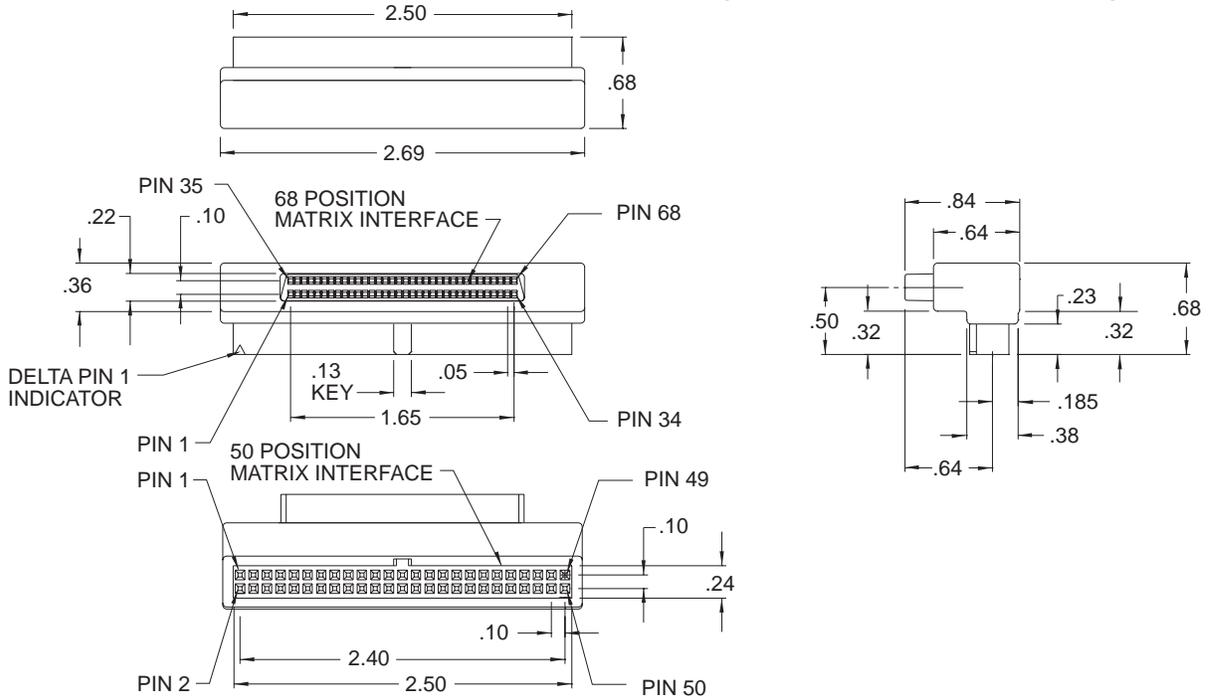
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SCSI RIGHT ANGLE FEMALE TO FEMALE INTERFACE ADAPTER

Key In Illustration
P/N 980212-1F1-3F0

50 Position Female to 68 Position Female
(8 Bit to 16 Bit/16 Bit to 8 Bit)



SCSI 68 POS. RECEPTACLE UNSHIELDED TO SCSI 50 POS. FEMALE LOW DENSITY UNSHIELDED

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GND - 02	10pF		36 - DB13
GND - 03	10pF		37 - DB14
GND - 04	10pF		38 - DB15
GND - 05	10pF		39 - DBP16
GND - 06	01	02	40 - DB00
GND - 07	03	04	41 - DB01
GND - 08	05	06	42 - DB02
GND - 09	07	08	43 - DB03
GND - 10	09	10	44 - DB04
GND - 11	11	12	45 - DB05
GND - 12	13	14	46 - DB06
GND - 13	15	16	47 - DB07
GND - 14	17	18	48 - DBP
GND - 15	19	20	49 - GND
GND - 16	21	22	50 - GND
TERMPWR - 17	N/C - 23	24 - N/C	51 - TERMPWR
TERMPWR - 18	N/C - 25	26	52 - TERMPWR
RESERVED - 19-N/C-N/C-27	28-N/C	N/C-53	RESERVED
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50 POSITION			
GND - 31	10pF		65 - DB08
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GND - 33	10pF		67 - DB10
GND - 34	10pF		68 - DB11
68 POSITION			68 POSITION
SIDE 1			SIDE 2

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