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Avionics Cable Guide

Where Used	Platform	Part Number & Description	From	To	Picture
Included with every CEI-220	ISA	**CONCEI-220 (1320-010)** 20" ribbon cable transitions from the rear (P4) connector on the CEI-220 to a 37 pin D-sub male connector mounted on a PC expansion card end-panel.	DB37 female	DB37 male on end panel	
Included with every CEI-520 CEI-520A RCEI-530 CEI-830 R830RX P-SER RAR-PCIE Optional for CEI-820TX	PCI	**RCONSCSI3-6 (1320-046-8)** 72" cable (with twisted pairs) transitions from the card end (P2) connector on the CEI-520/520A, CEI-530, CEI-830, R830RX or P-SER to a SCSI-3 connector. This cable is for ARINC signals only. CEI-520/520A rear connector (P3) contains I/O discretes only see CONM50-D37	SCSI-3 68-pin male	SCSI-3 68-pin male	
One or two included with every CEI-620 CEI-820 RAR-cPCI Optional for CEI-600-4	cPCI PMC	**RCONCEI-620 (1320-012-8)** 36" cable (with twisted pairs) transitions from a card end connector (P1 or P2) on the CEI-620, CEI-820 or RAR-cPCI to a 50 pin D-sub male connector.	Champ (0.8 mm) 50 male (screw-lock)	DB50 male	
One included with every RCEI-715A BTA-R715A-44	PCMCIA	**RCONCEI-715A (1320-085-8)** A 30" cable (with twisted pairs) transitions from the card edge connector on the RCEI-715A to a 37 pin D-sub with socket/female contacts.	Card edge 32 pin cable mounted connector	DB37 female	
Data loader cable for: RAR-EC	Express Card	**RCONA615-8 (1320-068-9)** A 30" cable (with twisted pairs) transitions from the card edge connector on the RAR-EC (champ 36) to a 37 pin D-sub with socket/female contacts.	Card edge champ 36 latching plug	615 Airborne Computer Connector MS27473T-18A-53P	
One included with every RAR-EC	Express Card	**RCONRAREC-30 (1320-062-8)** A 30" cable (with twisted pairs) transitions from the card edge connector on the RAR-EC (champ 36) to a 37 pin D-sub with socket/female contacts.	Card edge champ 36 latching plug	DB37 female	
One included with every RAF-EC-2P BTP-AFDX BTP-AIL-A1	Express Card	**RCONAF-EC (1320-065-8)** A 6"cable transitions from the card edge connector on the RAF-EC-2P (champ 36) to one male HD-15 connector and two shielded RJ-45 connectors.	Card edge champ 36 latching plug	One male HD-15, Two RJ-45 shielded connectors	
Data loader cable for: RCEI-715A	PCMCIA and ARINC 615 Data Loader	**RCONA615-1A (1320-087-8)** 10 foot cable transitions from the card edge connector on the RCEI-715A to an ARINC 615 Airborne Computer Connector (MS27473T-18A-53P). Includes a strain-relief clip.	PCMCIA card edge 32 pin cable mounted connector	615 Airborne Computer Connector MS27473T-18F-53P	

Where Used	Platform	Part Number & Description	From	To	Picture
One included with CEI-715-DL-2 CEI-715-DL-BT-2	PCMCIA and ARINC 615 Data Loader	**CONA615-1 (1320-006)** 10 foot cable transitions from the card edge connector on the CEI-715 to an ARINC 615 Airborne Computer Connector (MS27473T-18A-53P). Includes a strain-relief clip.	PCMCIA card edge 32 pin double wide cable mounted connector	615 Airborne Computer Connector MS27473T-18A-53P	
One included with CEI-715-DL-2 CEI-715-DL-BT-2	ARINC 615 Data Loader	**CONA615-2 (1320-007)** A 12" cable transitions from an ARINC 615 Data Loader Cable Connector (JT01RE-18A-53S) to an ARINC 603 Airborne Computer Connector (MS24266R-18B-31P)	615 Data Loader Cable Connector JT01RE-18A-53S	603 Airborne Computer Connector MS24266R-18B-31P	
Optional CONA615-3	ARINC 615 Data Loader	**CONA615-3 (1320-008)** A 12" cable transitions from an ARINC 615 Data Loader Cable Connector JT01RE-18A-53S to a CMU-900 Connector DB25 Female	615 Data Loader Cable Connector JT01RE-18A-53S	CMU-900 Connector DB25 Female	
One included for each P-708 MAC-H2	PMC	**CONPMC708 (1320-045)** Transitions from the P-708 card-end connector into two cables with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling.	SCSI-3 68 Pin Male	Two CJ70 jacks	
One assembly included for each IP-708 on VXI-AIC	VXI	**2CONV1553-5** **(1320-030 + 2conv50-D25)** An 18" cable assembly transitions from an IP-708 Module ribbon connector on the VXI-AIC to two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends.	Low profile IDC-50 (0.1" center) female	Two male CJ70 jacks, two male BNC jack	
Optional for CEI-300 CEI-500 CEI-520/520A VME-MIO VME-AIC Supports IP-429HD IP-CSDB IP-573/717 IP-561A CEI-520/520A (P3) RCEI-530 RAR-	ISA PCI PCIE VME	**CONM50-D37 (see bom assy in MAS200)** A 15" ribbon cable transitions from individual IP modules on various carrier boards to a 37 pin D-sub female connector mounted on a PC expansion card end-panel. This allows external connection to pins 1-37 on an individual IP Module. The end-panel is easily removed from the D-sub connector. Also can be used for CEI-520/520A I/O discretes (P3). **CONM50-D37-30 (see bom assy in MAS200)** This cable is identical to the CONM50-D37 above but 30" long.	IDC 50 (0.1" center) female	DB37 female on end panel	
Included with every PCCARD-1553-SA BT3-PCCMA	PCMCIA	**CONPCCARD-1 (1320-017)** Transitions from the PCCARD-1553 card edge connector into two 36" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling, and a single 6" cable with a 9 pin D-sub female connector for direct coupling and I/O triggers.	PCMCIA card edge 32 pin double wide cable mounted connector	Two male CJ70 jacks, DB09 female	

Where Used	Platform	Part Number & Description	From	To	Picture
Included with every two-channel PCC-D1553	PCMCIA	**CONPCCD-2 (1320-041)** Transitions from the PCC-D1553 card edge connector into four 36" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling, and a single 6" cable with a 9 pin D-sub female connector for direct coupling and I/O triggers.	PCMCIA card edge 32 pin double wide cable mounted connector	Four male CJ70 jacks, DB09 female	
Included with every single-channel PCC-D1553	PCMCIA	**CONPCCD-1 (1320-044)** Transitions from the PCC-D1553 card edge connector into two 36" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling, and a single 6" cable with a 9 pin D-sub female connector for direct coupling and I/O triggers.	PCMCIA card edge 32 pin double wide cable mounted connector	Two male CJ70 jacks, DB09 female	
One included for every (non-IRIG) channel on: PCI-1553 ISA-1553 VME-1553 QVME-1553 RQVME2-1553 VXI-1553 QVXI-1553X	PCI ISA VME VXI	**RCONP1553-1 (1320-019-8)** Transitions from each card end (non-IRIG) connector on various boards into two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 8" cables with BNC cable jacks for I/O triggers.	DB15 male	Two male CJ70 jacks, two male BNC jacks	
One included to support IRIG on: QVME-1553 w/IRIG QVXI-1553X w/IRIG RQVME2-1553 w/IRIG	VME VXI	**CONW1553-1 (1320-036)** Transitions from a card end connector (with IRIG) on the QVME-1553 or QVXI-1553X into two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and four 8" cables with BNC cable jacks for I/O triggers and IRIG Rec/Gen.	DB15 male	Two male CJ70 jacks, four male BNC jacks	
One included for each IP-1553 on: cPCI-1553-IP PMC-1553 CEI-600-4 IP-708	cPCI PMC	**CONC1553-1 (1320-029)** Transitions from each Champ 50 connector on various boards' front panel to two 18" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 18" cables with BNC cable jacks for I/O triggers.	Champ (0.8 mm) 50 male	Two male CJ70 jacks, two male BNC jacks	
One cable included for each IP-1553 or single-channel IP-D1553 on: IP-708 VME-1553-IP6 VME-1553-IP9 VXI-1553-IP6 VXI-1553-IP9 VME-MIO-5 VME-MIO-8 VME-MIO-9	VME VXI	**CONV1553-3 (2CONM50-D25 + 1320-005-8 + 1320-030)** An 18" cable assembly transitions from individual IP Module ribbon connectors on VME and VXI front panels to two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 8" cables with BNC cable jacks for I/O triggers.	IDC 50 (0.1" center) female	Two male CJ70 jacks, two male BNC jacks	
Optional 3 lug Twinax connection cables	1553 3 lug Twinax	**CON1553-3 (1320-037)** 78 ohm bus 36" cable assembly, 3 lug, plug to plug, Twinax connectors **CON1553-15 (1320-042)** 78 ohm bus 15' cable assembly, 3 lug, plug to plug, Twinax connectors	CJ70 Twinax 3 lug 1553	CJ70 Twinax 3 lug 1553	

Where Used	Platform	Part Number & Description	From	To	Picture
One included for each IP-1553 or single-channel IP-D1553 on: IP-708 VME-1553-IP7 VXI-1553-IP7 VME-MIO-8 VXI-MIO-8 CEI-600-6	VME VXI cPCI	**CONV1553-4 (1320-032)** Transitions from each SCSI-2 connector on a VME, VXI or CEI-600-6 front panel to two 18" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 18" cables with BNC cable jacks for I/O triggers	SCSI-2 50 pin male	Two male CJ70 jacks, two male BNC jacks	
One included for each two-channel IP-D1553 on: VME-MIO-8 VXI-MIO-8	VME VXI cPCI	**CONV1553-6 (1320-033)** Two channels of dual-redundant 1553. Transitions from each SCSI-2 connector on a VME, VXI or CEI-600-6 front panel to four 18" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and D-Sub 9 pin connector for additional I/O.	SCSI-2 50 pin male	Four male CJ70 jacks, DB09 Female	
One pair included for each IP-1553 on: PC-1553-IP CEI-300 IP-708	ISA	**2CONM50-D25-1** **(1320-005-8 + ribbon cbl assy)** An 18" ribbon cable transitions from individual IP Module ribbon connectors on the ISA (PC/AT) carrier board to a 25 pin female D-sub connector mounted on a PC expansion card end-panel.	IDC 50 (0.1" center) female	DB25 female on end panel	
		COND25-1553 (R2) (1320-030) Transitions from a 25 pin D-sub connector on a PC expansion card end-panel to two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 18" cables with BNC cable jacks for I/O triggers.	DB25 male	Two male CJ70 jacks, two male BNC jacks	
One pair included for each IP-1553 or single-channel IP-D1553 on: PCI-1553-IP CEI-500-4	PCI	**RCONM50-D25-2 (1320-005-8)** An 18" ribbon cable transitions from individual IP Module ribbon connectors on the PCI carrier board to a 25 pin female D-sub connector mounted on a PC expansion card end-panel.	IDC 50 (0.1" center) female	DB25 female on end panel	
		COND25-1553 R2) (1320-020-030) Transitions from a 25 pin D-sub connector on a PC expansion card end-panel to two 8" cables with CJ70 Twinax, 3 lug, 1553 cable jack ends, and two 18" cables with BNC cable jacks for I/O triggers.	DB25 male	Two male CJ70 jacks, two male BNC jacks	
1-channel board One cable included for each QPMC-1553 QPCI-1553 QCP-1553 QPM-1553 EPMC-1553 QPCX-1553 RPCIE-1553 RXMC1553	cPCI PMC PCI XMC PCIE	**RCONQPMC-1 (1320-028-8)** Transitions from a SCSI-68 pin connector to two CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 50 pin connector for additional I/O.	SCSI-3 68 Pin Male	Two CJ70 jacks, DB50 Female	
2-channel board One cable included for each QPMC-1553 QPCI-1553 QCP-1553 QPM-1553 EPMC-1553 QPCX-1553 RPCIE-1553 RXMC1553	cPCI PMC PCI XMC PCIE	**RCONQPMC-2 (1320-020-8)** Transitions from a SCSI-68 pin connector to four CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 50 pin connector for additional I/O.	SCSI-3 68 Pin Male	Four CJ70 jacks, DB50 Female	

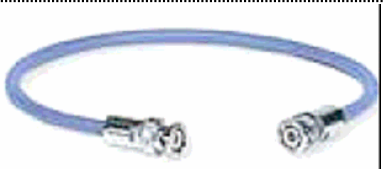
Where Used	Platform	Part Number & Description	From	To	Picture
4-channel board One cable included for each QPMC-1553 QPCI-1553 QCP-1553 QPM-1553 EPMC-1553 QPCX-1553 RPCIE-1553	cPCI PMC PCI PCIE	**RCONQPMC-4 (1320-021-8)** Transitions from a SCSI-68 pin connector to eight CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 50 pin connector for additional I/O.	SCSI-3 68 Pin Male	Eight CJ70 jacks, DB50 Female	
One cable included with each PMC-MMSI Interface board	PMC	**CONPMC-MMSI (1320-067)** Transitions from a SCSI-68 pin connector to nine CJ70 Twinax, 3 lug, 1553 cable jack ends for 8 MMSI channels plus one monitor channel.	SCSI-3 68 Pin Male	Nine CJ70 jacks	
1-channel board One cable included for each R15-LPCIE	Low Profile PCIE	**RCONR15-LPCIE-1 (1320-076-8)** Transitions from a SCSI-50 pin connector to two CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 37 pin connector for additional I/O.	SCSI 50 Pin Male	Two CJ70 jacks, DB37 Female	
2-channel board One cable included for each R15-LPCIE	Low Profile PCIE	**RCONR15-LPCIE-2 (1320-077-8)** Transitions from a SCSI-50 pin connector to four CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 37 pin connector for additional I/O.	SCSI 50 Pin Male	Four CJ70 jacks, DB37 Female	
Optional for P-10SF	PMC	**CONP10SF (1320-049)** Transitions from a SCSI-68 pin connector to a 15 pin D-sub female connector and four RJ-45 shielded connectors.	SCSI-3 68-pin male	DB15 female, Four RJ-45 Shielded Connectors	
One mating connector included with each Q104-1553 or Q104-1553-P board	PC/104	**Q104-1553 Mating Connector (2220-007)** Used by customer in building their cable.	P1	Custom cable	
One included with EPMC-1553 8-channel board	PMC	**CONP1553-8 (1320-048)** Transitions from a SCSI-68 pin connector to sixteen CJ70 Twinax, 3 lug, 1553 cable jack ends and one D-Sub 50 pin connector for additional I/O.	SCSI-3 68 Pin Male	Sixteen CJ70 jacks, DB50 Female	
One included with every R15-EC-1	Express Card	**RCONR15-EC-1 (1320-060-8)** Transition from the card edge connector on the R15-EC-1 (champ 36) into two 36" cable with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling, and a single 4" cable with a 9 pin D-sub female connector for direct coupling and I/O triggers.	Card edge champ 36 latching plug	Two male CJ70 jacks, DB09 female	
One included with every R15-EC-2	Express Card	**RCONR15-EC-2 (1320-061-8)** Transition from the card edge connector on the R15-EC-1 (champ 36) into four 36" cable with CJ70 Twinax, 3 lug, 1553 cable jack ends for transformer coupling, and a single 4" cable with a 9 pin D-sub female connector for direct coupling and I/O triggers.	Card edge champ 36 latching plug	Four male CJ70 jacks, DB09 female	

Where Used	Platform	Part Number & Description	From	To	Picture
Optional with RXMC2-1553	XMC	**RCONRXMC2-4 (1320-075-8)** Transitions from a SCSI3-68 pin connector (male) to eight CJ70 Twinax, 3 lug, 1553 cable jack ends and one DB50 (female) for additional I/O	SCSI-3 68 Pin Male	Eight male CJ70 jacks, DB50 female	

MIL-STD-1553 Connection Accessories

The following Connection Accessories will meet the majority of general MIL -STD-1553 cabling needs. Contact Condor to discuss your specific cabling, bus-coupling and termination requirements.

CON1553BK-2T MIL-STD-1553 Single Bus, Single Stub Kit. Contains two singlestub couplers, three 15 foot cables and two 78 ohm terminators. Two sets required for dual redundancy.	
CON1553BK-4T MID-1553 Single Bus, Dual Stub Kit. Contains two stub couplers, five 15 foot cables and two 78 ohm terminators. Two sets required for dual redundancy	
CON1553BC1 Single Stub MIL-STD-1553 transformer bus coupler with 3 lug Jack connectors	
CON1553BC2 Dual Stub MIL -STD-1553 transformer bus coupler with 3 lug Jack connectors.	
CON1553BC3 Tri Stub MIL -STD-1553 transformer bus coupler with 3 lug Jack connectors.	
CON1553BC4 Quad Stub MIL-STD-1553 transformer bus coupler with 3 lug Jack connectors.	
CON1553TRM MIL-STD-1553 78 ohm Terminator (2W-1%), 3 lug Plug connector.	

CON1553-3, CON1553-15, CON1553-25 MIL-STD-1553 PVC, 78 ohm bus cable in lengths of 3, 15 and 25 feet respectively, with 3 lug Plug connectors attached. (Plug connectors will mate to Jack connectors on couplers and Condor transition cables).		

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