



QUALIFICATIONS VALIDATED
EVERY TWO YEARS

QPL-83513-43
7 January 2004
SUPERSEDING
QPL-83513-42
20 December 2002

QUALIFIED PRODUCTS LIST
OF
PRODUCTS QUALIFIED UNDER DETAIL SPECIFICATION
MIL-DTL-83513
CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, POLARIZED SHELL,
GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-DTL-83513. Listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQ), COLUMBUS, OH 43216-5000.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-286-86 MM-(2,3,4)1(3,2)-(009 thru 100)-113-0000 A thru H C, N	/1	Airborn, Inc.
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-332-90 100R() ()P-B(09 thru 100) A thru H C, N	/1	Amphenol Phoenix Interconnect
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-761-87 288-(25)-(10 thru 90,00)-001 A thru H C, N	/1	Cinch Connector
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-332-90 CIM01-(A thru H) (C,N) A thru H C, N	/1	Cristek Interconnects, Inc.
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-361-89 83513-120-92 83513-488-03 MWDM2-01(A thru H)-PSC (,N) A thru H C, N, P	/1	Glenair-Microway Systems Div.
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-387-86 83513-143-91 83513-144-91 MDM ()01-() () (,V) (A9 thru H100) (,A174) A thru H C, N	/1	ITT Cannon Corp.
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-570-86 83513-286-86 83513-431-89 83513-282-92 EM2-R-(C,E)-09 thru 037-P5-0-S-()500 thru 505 EM3-R-(C,E)-051-P5-0-S-506 EM4-R-(C,E)-100-P5-0-S-500 A thru H C, N	/1	Tyco Electronics
M83513/01-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-389-86 83513-310-89 83513-313-90 094-7(1 thru 9) 04-(0000, 0020) A thru H C, N	/1	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-286-86 MM-(2,3,4)1(3,2)-(009 thru 100)-213-0000-900 A thru H C, N	/2	Airborn, Inc.
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-53-95 100R() ()S-B(09 thru 100) A thru H C, N	/2	Amphenol Phoenix Interconnect
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-761-87 289-(25)-(10 thru 90,00)-001 A thru H C, N	/2	Cinch Connector
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-332-90 CIM02-(A thru H) (C,N) A thru H C, N	/2	Cristek Interconnects, Inc.
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-361-89 83513-120-92 83513-488-03 MWDM1-02(A thru H)-PSC (, N) A thru H C, N, P	/2	Glenair-Microway Systems Div.
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-387-86 83513-143-91 83513-144-91 MDM ()02-() ()(,V) (A9 thru H100) (,A174) A thru H C, N	/2	ITT Cannon Corp.
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-388-86 83513-432-89 M83513/02-() () A thru H C, N	/2	Min-E-Con
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-570-86 83513-286-86 83513-397-88 83513-431-89 83513-282-92 EM2-RS-(C,E)-()09 thru 037-S5-0-()500 thru 505 EM3-RS-(C,E)-051-S5-0-S-506 EM4-RS-(C,E)-100-S5-0-S-500 A thru H C, N	/2	Tyco Electronics
M83513/02-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: SHELL FINISH:	83513-389-86 83513-310-89 83513-313-90 094-7(1 thru 9) 06-(0000, 0020) A thru H C, N	/2	Tyco Electronics
M83513/03-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE: SHELL FINISH:	83513-286-86 MM-()1() ()-161-0000 (2,3,4) (2,3) (009 thru 100) A thru H 01 thru 16 C, N	/3	Airborn, Inc.
M83513/03-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE: SHELL FINISH:	83513-332-90 100R() ()P-() () ()B (09 thru 100) A thru H 01 thru 16 C, N	/3	Amphenol Phoenix Interconnect
M83513/03-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE: SHELL FINISH:	83513-761-87 288-(11,15,25)-(10 thru 90,00)-(002 thru 017) A thru H 01 thru 16 C, N	/3	Cinch Connector
M83513/03-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE: SHELL FINISH:	83513-332-90 CIM03-(A thru H) (01 thru 16) (C,N) A thru H 01 thru 16 C, N	/3	Cristek Interconnects, Inc.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/03-() () MANUFACTURER'S DESIGNATION:	83513-361-89 83513-120-92 83513-488-03 MWDM1-03(A thru H)-PSC (,N) (01-P18W, 02-P36W, 03-P18C, 04-P36C, 05-P05G, 06-P10G, 07-P05T,08-P10T)	/3	Glenair-Microway Systems Div.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N, P		
M83513/03-() () MANUFACTURER'S DESIGNATION:	83513-143-91 83513-144-91 MDM ()03-() () (,V) (A9 thru H100)-(01 thru 06) (,A174)	/3	ITT Cannon Corp.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 06		
SHELL FINISH:	C, N		
M83513/03-() () MANUFACTURER'S DESIGNATION:	83513-388-86 83513-432-89 M83513/03-() ()	/3	Min-E-Con
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/03-() () MANUFACTURER'S DESIGNATION:	83513-570-86 83513-286-86 83513-431-89 83513-282-92 EM(2,3,4)R(C,E) (009 thru 100) P50H26(M,O,S) (1,3,4), (18.0,36.0,72.0) (500 thru 571) EM(2,3,4)R(C,E) (009 thru 100) P50(L01 thru L04) (500 thru 548)	/3	Tyco Electronics
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/03-() () MANUFACTURER'S DESIGNATION:	83513-389-86 83513-310-89 83513-313-90 094-8(1 thru 9) 04-00(0,2) (1 thru 8)	/3	Tyco Electronics
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 08		
SHELL FINISH:	C, N		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-286-86 MM-()2()-()-261-0000-900(2,3,4) (2,3) (009 thru 100)	/4	Airborn, Inc.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-53-95 100R() ()S-() () ()B (09 thru 100)	/4	Amphenol Phoenix Interconnect
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-761-87 289-(11,15,25)-(10 thru 90,00)-(002 thru 017)	/4	Cinch Connector
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-332-90 CIM04-(A thru H) (01 thru 16) (C,N)	/4	Cristek Interconnects, Inc.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-361-89 83513-120-92 83513-488-03 MWDM1-04(A thru H)-PSC (,N) (01-S18W,02-S36W, 03-S18C, 04-S36C, 05-S05G,06-S10G, 07-S05T, 08-S10T)	/4	Glenair-Microway Systems Div.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N, P		
M83513/04-() () MANUFACTURER'S DESIGNATION:	83513-143-91 83513-144-91 MDM ()04-() () (,V) (A9 thru H100)-(01 thru 06) (,A174)	/4	ITT Cannon Corp.
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 06		
SHELL FINISH:	C, N		

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/04-() ()	83513-388-86 83513-432-89	/4	Min-E-Con
MANUFACTURER'S DESIGNATION:	M83513/04-() ()		
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 16		
SHELL FINISH:	C, N		
M83513/04-() ()	83513-587-86 83513-286-86 83513-397-88 83513-431-89 83513-282-92	/4	Tyco Electronics
MANUFACTURER'S DESIGNATION:	EM(2,3,4)RS(C,E) (009 thru 100)S50H26(M,O,S) (1,3,4), (18.0,36.0,72.0) (500 thru 571)		
INSERT ARRANGEMENT:	EM(2,3,4)RS(C,E) (009 thru 100) S50(L01 thru L04) (500 thru 548)		
WIRE TYPE:	A thru H		
SHELL FINISH:	01 thru 16		
	C, N		
M83513/04-() ()	83513-389-86 83513-310-89 83513-313-90	/4	Tyco Electronics
MANUFACTURER'S DESIGNATION:	094-8(1 thru 9) 06-00(0,2) (1 thru 8)		
INSERT ARRANGEMENT:	A thru H		
WIRE TYPE:	01 thru 08		
SHELL FINISH:	C, N		
M83513/05-()	83513-286-86	/5	Airborn, Inc.
MANUFACTURER'S DESIGNATION:	MM-000-000-000-()00(41,42,43,44,22,81,82,83,84,62)		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-()	83513-53-95	/5	Amphenol Phoenix Interconnect
MANUFACTURER'S DESIGNATION:	PI83513/05-(),02, 03, 05, 06, 07, 12, 13, 15		
INSERT ARRANGEMENT:	A thru H		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-()	83513-761-87	/5	Cinch Connector
MANUFACTURER'S DESIGNATION:	289-00-00-(001,003,005,011,012,013,014,015,016,017)		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-()	83513-332-90	/5	Cristek Interconnects, Inc.
MANUFACTURER'S DESIGNATION:	CIM05-(02, 03, 05, 06, 07, 13, 15, 16, 17)		
INSERT ARRANGEMENT:	A thru H		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-()	83513-361-89	/5	Glenair-Microway Systems Div.
MANUFACTURER'S DESIGNATION:	MWJS2-502-LPH, MWJS2-503-HPH, MWJS2-505-LPS, MWJS2-506-HPS, MWJS4-512-LPH, MWJS4-513-LPH, MWJS4-515-LPS, MWJS4-516-HPS, MWJS4-517-JPH		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-02	500-002	83513-286-86	/5
M83513/05-03	500-003		
M83513/05-05	500-005		
M83513/05-06	500-006		
M83513/05-07	500-007		
M83513/05-12	500-012		
M83513/05-13	500-013		
M83513/05-15	500-015		
M83513/05-16	500-016		
M83513/05-17	500-017		
M83513/05-()	83513-387-86 83513-143-91 83513-144-91	/5	ITT Cannon Corp.
MANUFACTURER'S DESIGNATION:	320-9508-(), 320-9505-030, 329-9505-033		
TYPE:	026, 028, 025, 027, 022, 024, 021, 023		
	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		
M83513/05-()	83513-388-86 83513-432-89	/5	Min-E-Con
MANUFACTURER'S DESIGNATION:	M83513/05-() ()		
TYPE:	02, 03, 05, 06, 07, 12, 13, 15, 16, 17		

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE		DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/05-02	EPMJ-2-03	83513-286-86	/5	Tyco Electronics
M83513/05-03	EPMJ-3-03	83513-431-89		
M83513/05-05	EPMJ-5-03			
M83513/05-06	EPMJ-6-03			
M83513/05-07	EPMJ-7-03			
M83513/05-12	EPMJ-12-03			
M83513/05-13	EPMJ-13-03			
M83513/05-15	EPMJ-15-03			
M83513/05-16	EPMJ-16-03			
M83513/05-17	EPMJ-17-03			
M83513/05-() MANUFACTURER'S DESIGNATION: TYPE:	83513-389-86 83513-310-89 83513-313-90 S96-0002-00 (89, 88, 87, 86, 85, 84, 91, 90, 60) or 5-1532137-(5, 6, 7, 8, 9), 6-1532137-(0, 1, 2, 3, 4) 02, 03, 05, 06, 07, 12, 13, 15, 16, 17		/5	Tyco Electronics
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-286-86 MP-(1)-(-)-113-0000 (2,3) (1,6,E) (009 thru 051) A thru G		/6	Airborn, Inc.
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-53-95 101R()P-B (09 thru 51) A thru G		/6	Amphenol Phoenix Interconnect
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-761-87 288-05-(10 thru 90)-001 A thru G		/6	Cinch Connector
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-332-90 CIM06-(A thru H) A thru G		/6	Cristek Interconnects, Inc.
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-361-89 MWD-06(A thru G)-PSC A thru G		/6	Glenair-Microway Systems Div.
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-387-86 83513-143-91 83513-144-91 MD () B06-() (,V) (A9 thru G51) A thru G		/6	ITT Cannon Corp.
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-587-86 83513-286-86 83513-431-89 EP2-R-()009 thru 037-P5-0-S-()500 thru 505 EP3-R-051-P5-0-S-506 A thru G		/6	Tyco Electronics
M83513/06-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-389-86 83513-310-89 83513-313-90 095-06 (03, 05, 07, 09, 11, 13, 15) A thru G		/6	Tyco Electronics
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-286-86 MP-(2)-(-)-213-0000 (2,3) (1,6,E) (009 thru 051) A thru G		/7	Airborn, Inc.
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-53-95 101R()S-B (09 thru 51) A thru G		/7	Amphenol Phoenix Interconnect
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-761-87 289-05-(10 thru 90)-001 A thru G		/7	Cinch Connector
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-332-90 CIM07-(A thru H) A thru G		/7	Cristek Interconnects, Inc.
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-361-89 MWD-07(A thru G)-SSC A thru G		/7	Glenair-Microway Systems Div.
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-387-86 83513-143-91 83513-144-91 MD () B07-() (,V) (A9 thru G51) A thru G		/7	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-388-86 83513-432-89 M83513/07-() () A thru G	/7	Min-E-Con
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-587-86 83513-286-86 83513-431-89 EP2-RS-()009 thru 037-S5-0-S-()500 thru 505 EP3-RS-051-S5-0-S-506 A thru G	/7	Tyco Electronics
M83513/07-() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT:	83513-389-86 83513-310-89 83513-313-90 095-06 (04, 06, 08, 10, 12, 14, 16) A thru G	/7	Tyco Electronics
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-286-86 MP-()1()-()-161-0000(2,3)(1)(009 thru 051) A thru G 01 thru 16	/8	Airborn, Inc.
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-53-95 101R()P-()()()B (09 thru 51) A thru G 01 thru 16	/8	Amphenol Phoenix Interconnect
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-761-87 288-05-(10 thru 90)-(002 thru 017) A thru G 01 thru 16	/8	Cinch Connector
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-332-90 CIM08-(A thru H) (01 thru 16) A thru G 01 thru 16	/8	Cristek Interconnects, Inc.
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-361-89 MWD-08(A thru G)-(P18W, P36W, P18C, P36C, P05G, P10G, P05T, P10T) A thru G 01 thru 16	/8	Glenair-Microway Systems Div.
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-143-91 83513-144-91 MD () B08-() (,V) (A9 thru G51) (01 thru 06) A thru G 01 thru 16	/8	ITT Cannon Corp.
M83513/08-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-388-86 83513-432-89 M83513/08-() () A thru G 01 thru 16	/8	Min-E-Con
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-570-86 83513-286-86 83513-431-89 EP(2,3)R(009 thru 051)P50H26(M,O,S) (1,3,4) (18.0,36.0,72.0) (500 thru 563) EP(2,3)R(009 thru 051)P50(L01 thru L04) (500 thru 527) A thru G 01 thru 16	/8	Tyco Electronics
M83513/08-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-389-86 83513-310-89 83513-313-90 095-06 (03, 05, 07, 09, 11, 13, 15)-203 (1 thru 8) A thru G 01 thru 08	/8	Tyco Electronics

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M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-286-86 MP-()2()-()-261-0000(2,3)(1)(009 thru 051) A thru G 01 thru 16	/9	Airborn, Inc.
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-53-95 101R()S-()()()B (09 thru 51) A thru G 01 thru 16	/8	Amphenol Phoenix Interconnect
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-761-87 289-05-(10 thru 90)-(002 thru 017) A thru G 01 thru 16	/9	Cinch Connector
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-332-90 CIM09-(A thru H) (01 thru 16) A thru G 01 thru 16	/9	Cristek Interconnects, Inc.
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-361-89 MWD-09(A thru G)-(S18W, S36W, S18C, S36C, S05G, S10G, S05T, S10T) A thru G 01 thru 16	/9	Glenair-Microway Systems Div.
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-143-91 83513-144-91 MD () B09-() (,V) (A9 thru G51) (01 thru 06) A thru G 01 thru 06	/9	ITT Cannon Corp.
M83513/09-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-388-86 83513-432-89 M83513/09-() () A thru G 01 thru 16	/9	Min-E-Con
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-570-86 83513-286-86 83513-431-89 EP(2,3)R(009 thru 051)S50H26(M,O,S) (1,3,4) (18.0,36.0,72.0) (500 thru 563) EP(2,3)R(009 thru 051)S50(L01 thru L04) (500 thru 527) A thru G 01 thru 16	/9	Tyco Electronics
M83513/09-() () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: WIRE TYPE:	83513-389-86 83513-310-89 83513-313-90 095-06 (04, 06, 08, 10, 12, 14, 16)-203(1 thru 8) A thru G 01 thru 08	/9	Tyco Electronics
M83513/10-() () () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-25(2,3)-0(09,15,21,25,31,37)-3(2,3,4)S-(00,22)05 A thru F 01, 02, 03 C, N N, P	/10	Airborn, Inc.
M83513/10-() () () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()PCBR() () A thru F 01, 02, 03 C, N N, P	/10	Amphenol Phoenix Interconnect
M83513/10-() () () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(10 thru 80)-(0,1,2) (03) A thru F 01, 02, 03 C, N N, P	/10	Cinch Connector

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/10-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM11(A thru F) (01, 02, 03) (C, N) (N, P) A thru F 01, 02, 03 C, N N, P	/10	Cristek Interconnects, Inc.
M83513/10-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-10-(A thru F) (01P.109,02P.140,03P.172) (1,2) (B,P) A thru F 01, 02, 03 C, N, P N, P, T, W	/10	Glenair-Microway Systems Div.
M83513/10-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM10(B15 thru F37) (01, 02, 03) (,A174P) (N, P) A thru F 01, 02, 03 C, N N, P	/10	ITT Cannon Corp.
M83513/10-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/10-() () () A thru F 01, 02, 03 C, N N, P	/10	Min-E-Con
M83513/10-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-4(1 thru 6) (14,24)-(00,70) (01,02,03) A thru F 01, 02, 03 C, N N, P	/10	Tyco Electronics
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-35(2,3)-051-3(2,3,4)S-(00,22)05 01, 02, 03 C, N N, P	/11	Airborn, Inc.
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()51PCBR() () 01, 02, 03 C, N N, P	/11	Amphenol Phoenix Interconnect
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(90)-(0,1,2) (03) 01, 02, 03 C, N N, P	/11	Cinch Connector
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM11G(01, 02, 03) (C, N) (N, P) 01, 02, 03 C, N N, P	/11	Cristek Interconnects, Inc.
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-11G(01P.109,02P.140,03P.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/11	Glenair-Microway Systems Div.
M83513/11-G() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM11G51(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/11	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/11-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/11-G() () 01, 02, 03 C, N N, P	/11	Min-E-Con
M83513/11-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-47(14,24)-(00,70)(01,02) 01, 02, 03 C, N N, P	/11	Tyco Electronics
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-45(2,3)-100-3(2,3,4)S-(00,62)05 01, 02, 03 C, N N, P	/12	Airborn, Inc.
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()100PCBR() () 01, 02, 03 C, N N, P	/12	Amphenol Phoenix Interconnect
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(00)-(0,1,2)(03) 01, 02, 03 C, N N, P	/12	Cinch Connector
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM11H(01, 02, 03)(C, N)(N, P) 01, 02, 03 C, N N, P	/12	Cristek Interconnects, Inc.
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-12H(01P.109,02P.140,03P.172)(1,2)(B,P) 01, 02, 03 C, N, P N, P, T, W	/12	Glenair-Microway Systems Div.
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM12H100(01,02,03)(,A174P)(N, P) 01, 02, 03 C, N N, P	/12	ITT Cannon Corp.
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/12-H() () 01, 02, 03 C, N N, P	/12	Min-E-Con
M83513/12-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-49(14,24)-(00,70)(01,02,03) 01, 02, 03 C, N N, P	/12	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-283-92 MK-26(2,3)-0(09,15,21,25,31,37)-4(3,4,5) S-(00,22)05-900	/13	Airborn, Inc.
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-054-95 100R()SCBR()()	/13	Amphenol Phoenix Interconnect
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-006-95 289-(61 thru 66)-(10 thru 80)-(0,1,2)(03)	/13	Cinch Connector
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-284-92 CM13(A thru F)(01, 02, 03)(C, N)(N, P)	/13	Cristek Interconnects, Inc.
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-094-98 83513-488-03 MDWM-13-(A thru F)(01S.109,02S.140,03S.172)(1,2)(B,P)	/13	Glenair-Microway Systems Div.
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N, P		
HARDWARE:	N, P, T, W		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-69-93 MDM13(A9 thru F37)(01, 02, 03)(,A174P)(N, P)	/13	ITT Cannon Corp.
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-32-94 M83513/13-() () ()	/13	Min-E-Con
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/13-() () () MANUFACTURER'S DESIGNATION:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-4(1 thru 6)(16,26)-(00,70)(01,02,03)	/13	Tyco Electronics
INSERT ARRANGEMENT:	A thru F		
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/14-G() () () MANUFACTURER'S DESIGNATION:	83513-283-92 MK-36(2,3)-051-4(3,4,5)S-(00,22)05-900	/14	Airborn, Inc.
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		
M83513/14-() () () MANUFACTURER'S DESIGNATION:	83513-054-95 100R()51SCBR()()	/14	Amphenol Phoenix Interconnect
TERMINATION LENGTH:	01, 02, 03		
SHELL FINISH:	C, N		
HARDWARE:	N, P		

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(90)-(0,1,2) (03) 01, 02, 03 C, N N, P	/14	Cinch Connector
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM14G(01, 02, 03) (C, N) (N, P) 01, 02, 03 C, N N, P	/14	Cristek Interconnects, Inc.
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-14G(01S.109,02S.140,03S.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/14	Glenair-Microway Systems Div.
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM14G51(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/14	ITT Cannon Corp.
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/14-G() () 01, 02, 03 C, N N, P	/14	Min-E-Con
M83513/14-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-47(16,26)-(00,70) (01,02,03) 01, 02, 03 C, N N, P	/14	Tyco Electronics
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-46(2,3)-100-4(3,4,5)S-(00,62)05-900 01, 02, 03 C, N N, P	/15	Airborn, Inc.
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()100SCBR() () 01, 02, 03 C, N N, P	/15	Amphenol Phoenix Interconnect
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(00)-(0,1,2) (03) 01, 02, 03 C, N N, P	/15	Cinch Connector
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM15H(01, 02, 03) (C, N) (N, P) 01, 02, 03 C, N N, P	/15	Cristek Interconnects, Inc.
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-15H(01S.109,02S.140,03S.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/15	Glenair-Microway Systems Div.
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM15H100(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/15	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/15-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/15-H() () () 01, 02, 03 C, N N, P	/15	Min-E-Con
M83513/15-H() () () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-49(16,26)-(00,70) (01,02,03) 01, 02, 03 C, N N, P	/15	Tyco Electronics
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-27(2,3)-0(09,15,21,25,31,37)-3(2,3,4) S-(00,22)OR A thru F 01, 02, 03 C, N N, P	/16	Airborn, Inc.
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()PBR() () A thru F 01, 02, 03 C, N N, P	/16	Amphenol Phoenix Interconnect
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(10 thru 80)-(0,1,2) (02) A thru F 01, 02, 03 C, N N, P	/16	Cinch Connector
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-16-(A thru F) (01P.109,02P.140,03P.172) (1,2) (B,P) A thru F 01, 02, 03 C, N, P N, P, T, W	/16	Glenair-Microway Systems Div.
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM16(A9 thru F37) (01, 02, 03) (,A174P) (N, P) A thru F 01, 02, 03 C, N N, P	/16	ITT Cannon Corp.
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/16-() () () () A thru F 01, 02, 03 C, N N, P	/16	Min-E-Con
M83513/16-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-4(1 thru 6) (14,24)-(00,70) (04,05,06,07) A thru F 01, 02, 03 C, N N, P	/16	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFI- CATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-37(2,3)-051-3(2,3,4)S-(00,22)OR 01, 02, 03 C, N N, P	/17	Airborn, Inc.
M83513/17G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()51PBR() () 01, 02, 03 C, N N, P	/17	Amphenol Phoenix Interconnect
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(90)-(0,1,2) (02) 01, 02, 03 C, N N, P	/17	Cinch Connector
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-17G(01P.109,02P.140,03P.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/17	Glenair-Microway Systems Div.
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM17G51(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/17	ITT Cannon Corp.
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/17-G() () 01, 02, 03 C, N N, P	/17	Min-E-Con
M83513/17-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-47(14,24)-(00,70) (04,05,06) 01, 02, 03 C, N N, P	/17	Tyco Electronics
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-47(2,3)-100-3(2,3,4)S-(00,22)OR 01, 02, 03 C, N N, P	/18	Airborn, Inc.
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()100PBR() () 01, 02, 03 C, N N, P	/18	Amphenol Phoenix Interconnect
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(100)-(0,1,2) (02) 01, 02, 03 C, N N, P	/18	Cinch Connector
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-18H(01P.109,02P.140,03P.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/18	Glenair-Microway Systems Div.
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM18H100(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/18	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/18-H() () 01, 02, 03 C, N N, P	/18	Min-E-Con
M83513/18-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-49(14,24)-(00,70)(04,05,06) 01, 02, 03 C, N N, P	/18	Tyco Electronics
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-28(2,3)-0(09,15,21,25,31,37)-4(3,4,5) S-(00,22)0R-900 A thru F 01, 02, 03 C, N N, P	/19	Airborn, Inc.
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()SBR() () A thru F 01, 02, 03 C, N N, P	/19	Amphenol Phoenix Interconnect
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(10 thru 80)-(0,1,2)(02) A thru F 01, 02, 03 C, N N, P	/19	Cinch Connector
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-19-(A thru F)(01S.109,02S.140,03S.172) (1,2)(B,P) A thru F 01, 02, 03 C, N, P N, P, T, W	/19	Glenair-Microway Systems Div.
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM19(A9 thru F37)(01, 02, 03)(,A174P)(N, P) A thru F 01, 02, 03 C, N N, P	/19	ITT Cannon Corp.
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/19-() () () A thru F 01, 02, 03 C, N N, P	/19	Min-E-Con
M83513/19-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-4(1 thru 6)(16,26)-(00,70)(04,05,06) A thru F 01, 02, 03 C, N N, P	/19	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-38 (2,3) -051-4 (3,4,5) S-(00,22) OR-900 01, 02, 03 C, N N, P	/20	Airborn, Inc.
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() 51SBR() () 01, 02, 03 C, N N, P	/20	Amphenol Phoenix Interconnect
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(90)-(0,1,2) (02) 01, 02, 03 C, N N, P	/20	Cinch Connector
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-20G(01S.109,02S.140,03S.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/20	Glenair-Microway Systems Div.
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM20G51(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/20	ITT Cannon Corp.
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/20-G() () 01, 02, 03 C, N N, P	/20	Min-E-Con
M83513/20-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-47(16,26)-(00,70) (04,05) 01, 02, 03 C, N N, P	/20	Tyco Electronics
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-48 (2,3) -100-4 (3,4,5) S-(00,62) OR-900 01, 02, 03 C, N N, P	/21	Airborn, Inc.
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() 100SBR() () 01, 02, 03 C, N N, P	/21	Amphenol Phoenix Interconnect
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(00)-(0,1,2) (02) 01, 02, 03 C, N N, P	/21	Cinch Connector
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-21H(01S.109,02S.140,03S.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/21	Glenair-Microway Systems Div.
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM21H100(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/21	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/21-H() () 01, 02, 03 C, N N, P	/21	Min-E-Con
M83513/21-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-49(16,26)-(00,70)(04,05,06) 01, 02, 03 C, N N, P	/21	Tyco Electronics
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-21(2,3)-0(09,15,21,25,31,37)-1(2,3,4) S-(00,22)00 A thru F 01, 02, 03 C, N N, P	/22	Airborn, Inc.
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()PBS() () A thru F 01, 02, 03 C, N N, P	/22	Amphenol Phoenix Interconnect
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(10 thru 80)-(0,1,2)(01) A thru F 01, 02, 03 C, N N, P	/22	Cinch Connector
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM22(A thru F)(01, 02, 03)(C, N)(N, P) A thru F 01, 02, 03 C, N N, P	/22	Cristek Interconnects, Inc.
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-22-(A thru F)(01P.109,02P.140,03P.172) (1,2)(B,P) A thru F 01, 02, 03 C, N, P N, P, T, W	/22	Glenair, Inc.- Microway Systems
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM22(A9 thru F37)(01, 02, 03)(,A174P)(N, P) A thru F 01, 02, 03 C, N N, P	/22	ITT Cannon Corp.
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/22-() () () A thru F 01, 02, 03 C, N N, P	/22	Min-E-Con
M83513/22-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-5(1 thru 6)(14,24)-(00,70)(01,02,03) A thru F 01, 02, 03 C, N N, P	/22	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-31(2,3)-051-1(2,3,4)S-(00,22)00,01,02,03 01, 02, 03 C, N N, P	/23	Airborn, Inc.
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()51PBS()() 01, 02, 03 C, N N, P	/23	Amphenol Phoenix Interconnect
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM23G(01, 02, 03)(C, N)(N, P) 01, 02, 03 C, N N, P	/23	Cristek Interconnects, Inc.
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-23G(01P.109,02P.140,03P.172)(1,2)(B,P) 01, 02, 03 C, N, P N, P, T, W	/23	Glenair-Microway Systems Div.
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM23G51(01, 02, 03)(,A174P)(N, P) 01, 02, 03 C, N N, P	/23	ITT Cannon Corp.
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/23-G() () 01, 02, 03 C, N N, P	/23	Min-E-Con
M83513/23-G() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-57(14,24)-(00,70)(01,02,03) 01, 02, 03 C, N N, P	/23	Tyco Electronics
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-41(2,3)-100-1(2,3,4)S-(00,62)00 01, 02, 03 C, N N, P	/24	Airborn, Inc.
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()100PBS()() 01, 02, 03 C, N N, P	/24	Amphenol Phoenix Interconnect
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 288-(61 thru 66)-(00)-(0,1,2)(01) 01, 02, 03 C, N N, P	/24	Cinch Connector
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM24H(01, 02, 03)(C, N)(N, P) 01, 02, 03 C, N N, P	/24	Cristek Interconnects, Inc.
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-24H(01P.109,02P.140,03P.172)(1,2)(B,P) 01, 02, 03 C, N, P N, P, T, W	/24	Glenair-Microway Systems Div.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFI- CATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM24H100(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/24	ITT Cannon Corp.
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/24-H() () 01, 02, 03 C, N N, P	/24	Min-E-Con
M83513/24-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-59(14,24)-(00,70) (01,02,03) 01, 02, 03 C, N N, P	/24	Tyco Electronics
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-22(2,3)-0(09,15,21,25,31,37)-2(2,3,4) S-(00,22)00-900 A thru F 01, 02, 03 C, N N, P	/25	Airborn, Inc.
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R() ()SBS() () A thru F 01, 02, 03 C, N N, P	/25	Amphenol Phoenix Interconnect
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(10 thru 80)-(0,1,2) (01) A thru F 01, 02, 03 C, N N, P	/25	Cinch Connector
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM25(A thru F) (01, 02, 03) (C, N) (N, P) A thru F 01, 02, 03 C, N N, P	/25	Cristek Interconnects, Inc.
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-25-(A thru F) (01S.109,02S.140,03S.172) (1,2) (B,P) A thru F 01, 02, 03 C, N, P N, P, T, W	/25	Glenair-Microway Systems Div.
M83513/25-() () () MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM25(A9 thru F37) (01, 02, 03) (,A174P) (N, P) A thru F 01, 02, 03 C, N N, P	/25	ITT Cannon Corp.

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/25-()()() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/25-()()() A thru F 01, 02, 03 C, N N, P	/25	Min-E-Con
M83513/25-()()() MANUFACTURER'S DESIGNATION: INSERT ARRANGEMENT: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-5(1 thru 6)(16,26)-(00,70)(04,05,06) A thru F 01, 02, 03 C, N N, P	/25	Tyco Electronics
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-32(2,3)-051-2(2,3,4)S-(00,22)00-900 01, 02, 03 C, N N, P	/26	Airborn, Inc.
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()51SBS()() 01, 02, 03 C, N N, P	/26	Amphenol Phoenix Interconnect
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(90)-(0,1,2)(01) 01, 02, 03 C, N N, P	/26	Cinch Connector
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM26G(01, 02, 03)(C, N)(N, P) 01, 02, 03 C, N N, P	/26	Cristek Interconnects, Inc.
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-26G(01S.109,02S.140,03S.172)(1,2)(B,P) 01, 02, 03 C, N, P N, P, T, W	/26	Glenair-Microway Systems Div.
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM26G51(01, 02, 03)(,A174P)(N, P) 01, 02, 03 C, N N, P	/26	ITT Cannon Corp.
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/26-G()()() 01, 02, 03 C, N N, P	/26	Min-E-Con
M83513/26-G()()() MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-57(16,26)-(00,70)(04,05) 01, 02, 03 C, N N, P	/26	Tyco Electronics

GOVERNMENT DESIGNATION	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFI- CATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-283-92 MK-42(2,3)-100-2(2,3,4)S-(00,62)00-900 01, 02, 03 C, N N, P	/27	Airborn, Inc.
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-054-95 100R()100SBS() () 01, 02, 03 C, N N, P	/27	Amphenol Phoenix Interconnect
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-006-95 289-(61 thru 66)-(00)-(0,1,2) (01) 01, 02, 03 C, N N, P	/27	Cinch Connector
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-284-92 CM27H(01, 02, 03) (C, N) (N, P) 01, 02, 03 C, N N, P	/27	Cristek Interconnects, Inc.
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-094-98 83513-488-03 MDWM-27H(01S.109,02S.140,03S.172) (1,2) (B,P) 01, 02, 03 C, N, P N, P, T, W	/27	Glenair-Microway Systems Div.
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-69-93 MDM27H100(01, 02, 03) (,A174P) (N, P) 01, 02, 03 C, N N, P	/27	ITT Cannon Corp.
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-32-94 M83513/27-H() () () 01, 02, 03 C, N N, P	/27	Min-E-Con
M83513/27-H() () MANUFACTURER'S DESIGNATION: TERMINATION LENGTH: SHELL FINISH: HARDWARE:	83513-031-98 83513-313-90 83513-310-89 83513-389-86 094-59(16,26)-(00,70) (01,02,03) 01, 02, 03 C, N N, P	/27	Tyco Electronics

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE	MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
Airborn, Inc. 4321 Airborn Drive Addison, TX 75001-0519 Plants: 1. Same Address 2. P.O. Box 78 215 West Royal Drive Georgetown, TX 78626	10400	Min-E-Con 17312 Eastman Irvine, CA 92614 Plant: Same Address	54455
Amphenol Phoenix Interconnect 15445 Redhill Avenue, Suite A Tustin, CA 92780 Plant: Same Address DISTRIBUTOR: Tim-Co Component Sales 7001 Eton Avenue Canoga Park, CA 91303	0AEZ1	Tyco Electronics 306 South Pasadena Avenue Pasadena, CA 91030-2905 Plant: Same Address	98278
Cinch Connector Division of Labinal Components and Systems, Inc. 1501 Morse Avenue Elk Grove Village, IL 60007-5782 Plants: 1. 820 North Wilson Avenue Vinita, OK 74301 2. Cinch Connectors, Ltd. Shireoaks Road Worksop Notts S80 United Kingdom	71785		
Cristek Interconnects, Inc. 1301 S. Lewis Street Anaheim, CA 92805 Plant: Same Address	67720		
Glenair, Inc. 1211 Air Way Glendale, CA 91201-2497 Plants: 1. Same Address 2. Microway Systems Division of Glenair, Inc. 7000 N. Lawndale Avenue Lincolnwood, IL 60645-2610	06324 0CA77		
Hi-Tech Swiss Engineering 4079 Oceanside Boulevard, Suite G Oceanside, CA 92956 Plant: Same Address	15286		
ITT Cannon 666 East Dyer Road Santa Ana, CA 92702-0929 Plants: 1. Same Address 2. ITT Cannon Prolongacion Avenida Obregon #3673 Nogales, Sonora, Mexico	71468		