Amphenol SINESYSTEMS



STAMPED AND FORMED CONTACTS, PG 1 of 2

Click on <u>blue underlined</u> part numbers to be taken to their spec sheets.

OPTIONS

PART NUMBER: AT62-14-01XX DESCRIPTION: CONTACT, SOCKET, STAMPED, SIZE 16 MATERIAL: CONTACT BODY: COPPER ALLOY HOOD: STAINLESS STEEL PLATING SUFFIX CODE: XX=22 NICKEL PLATING XX=44 GOLD PLATING CONTACT GENERAL DATA SPECIFICATION: S2-15217 AVAILABLE CRIMPERS: ATT-16 00, MFX-3950 MFX-3953 CRIMPER SPECIFICATIONS: S2-15223 & S2-15224 CRIMP INFORMATION DRAWING: S2-15221 & S2-15222 CONTACTS PER REEL: APPROX. 4000 (PARTIAL REELS AVAILABLE)		5.54(218) SECTION A=8
PART NUMBER: AT62-16-01XX DESCRIPTION: CONTACT, SOCKET, STAMPED, SIZE 16 MATERIAL: CONTACT BODY: COPPER ALLOY HOOD: STAINLESS STEEL PLATING SUFFIX CODE: XX=22 NICKEL PLATING XX=44 GOLD PLATING CONTACT GENERAL DATA SPECIFICATION: S2-15217 AVAILABLE CRIMPERS: ATT-16-00, ATT-16-01, MFX-3950 & MFX-3953 CRIMPER SPECIFICATIONS: S2-15223 & S2-15224 CRIMP INFORMATION DRAWING: S2-15221 & S2-15222 CONTACTS PER REEL: APPROX. 4000 (PARTIAL REELS AVAILABLE)	12.75(_400) 12.75	4.50(177] SECTION A-A 4.02(198] SECTION B-B
PART NUMBER: AT62-16-06XX DESCRIPTION: CONTACT, SOCKET, STAMPED, SIZE 16 MATERIAL: CONTACT BODY: COPPER ALLOY HOOD: STAINLESS STEEL PLATING SUFFIX CODE: XX=22 NICKEL PLATING XX=44 COLD PLATING CONTACT GENERAL DATA SPECIFICATION: S2-15217 AVAILABLE CRIMPERS: ATT-16-01, MFX-3950 & MFX-3953 CRIMPER SPECIFICATIONS: S2-15223 & S2-15224 CRIMPER SPECIFICATIONS: S2-15221 & S2-15222 CONTACTS PER REEL: APPROX. 4000 (PARTIAL REELS AVAILABLE)	12.75(.400) 12.75	3.38(133) 2.81(111) SECTION A=A 3.76(147) 1 SECTION B=B
PART NUMBER: AT60-14-01XX DESCRIPTION: CONTACT, PIN, STAMPED, SIZE 16 MATERIAL: COPPER ALLOY PLATING SUFFIX CODE: XX=22 NICKEL PLATING XX=44 GOLD PLATING CONTACT GENERAL DATA SPECIFICATION: S2-15217 AVAILABLE CRIMPERS: ATT-16-00, MFX-3950 & MFX-3953 CRIMPER SPECIFICATIONS: S2-15223 & S2-15224 CRIMP INFORMATION DRAWING: S2-15221 & S2-15222 CONTACTS PER REEL: APPROX. 4000 (PARTIAL REELS AVAILABLE)	4.75(.185) 4.55(.55(.12) 12.7(Ave) 4.75(.185) 4.75	5.54[218]

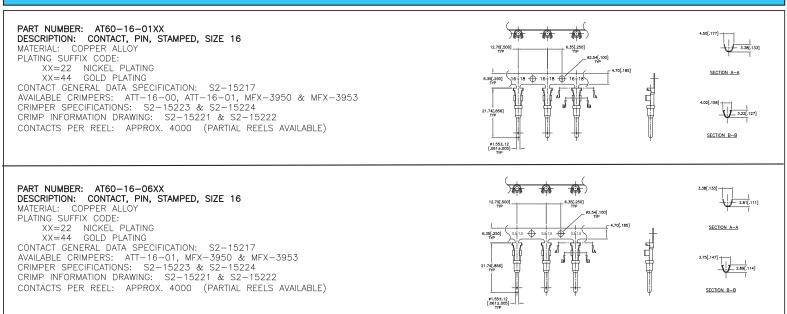




STAMPED AND FORMED CONTACTS, PG 2 of 2

Click on <u>blue underlined</u> part numbers to be taken to their spec sheets.

OPTIONS



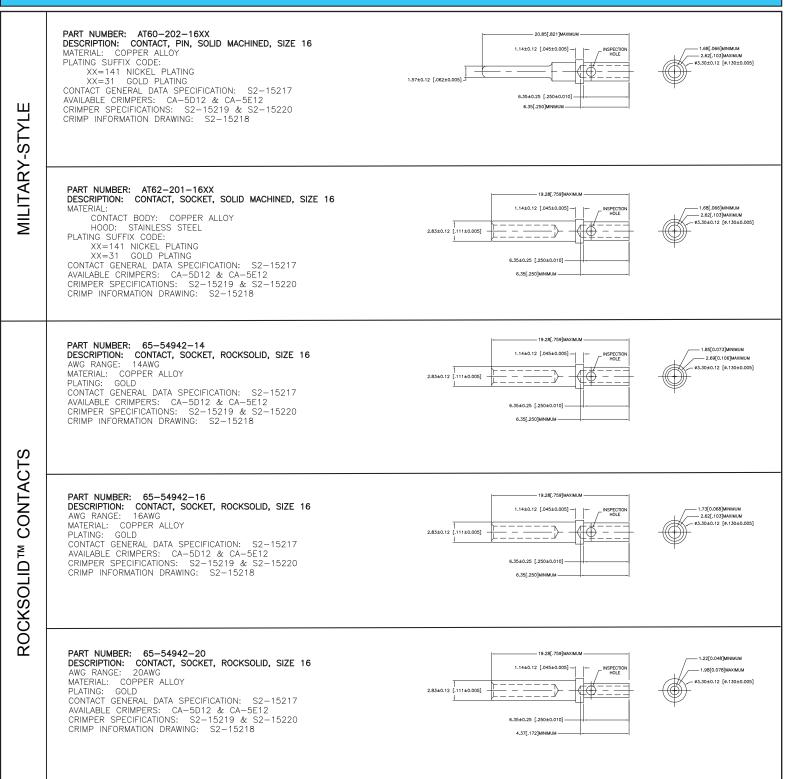


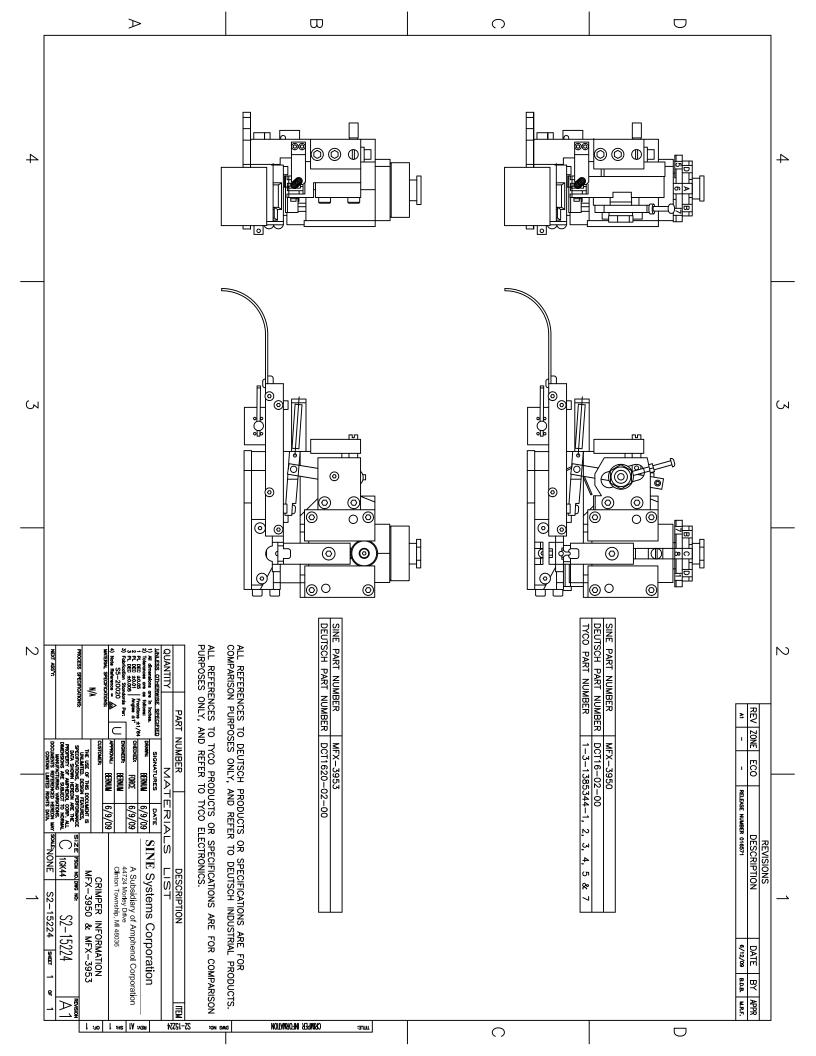


SOLID/MACHINED CONTACTS

Click on blue underlined part numbers to be taken to their spec sheets.

OPTIONS

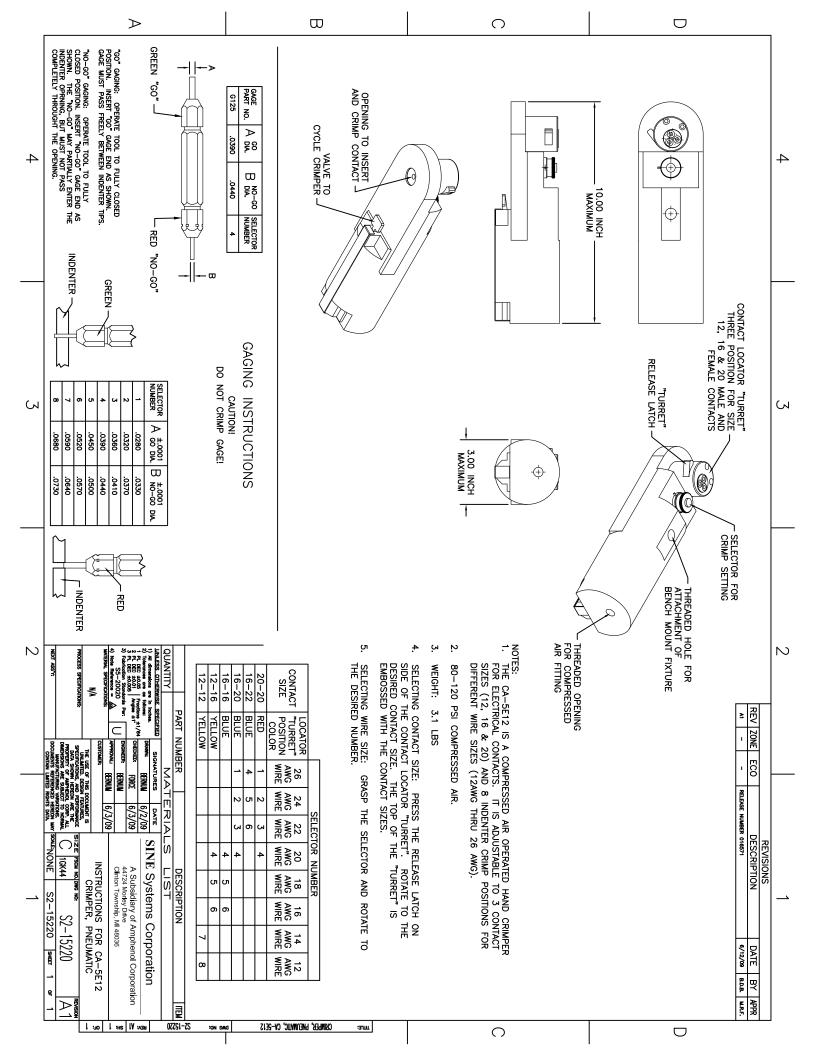


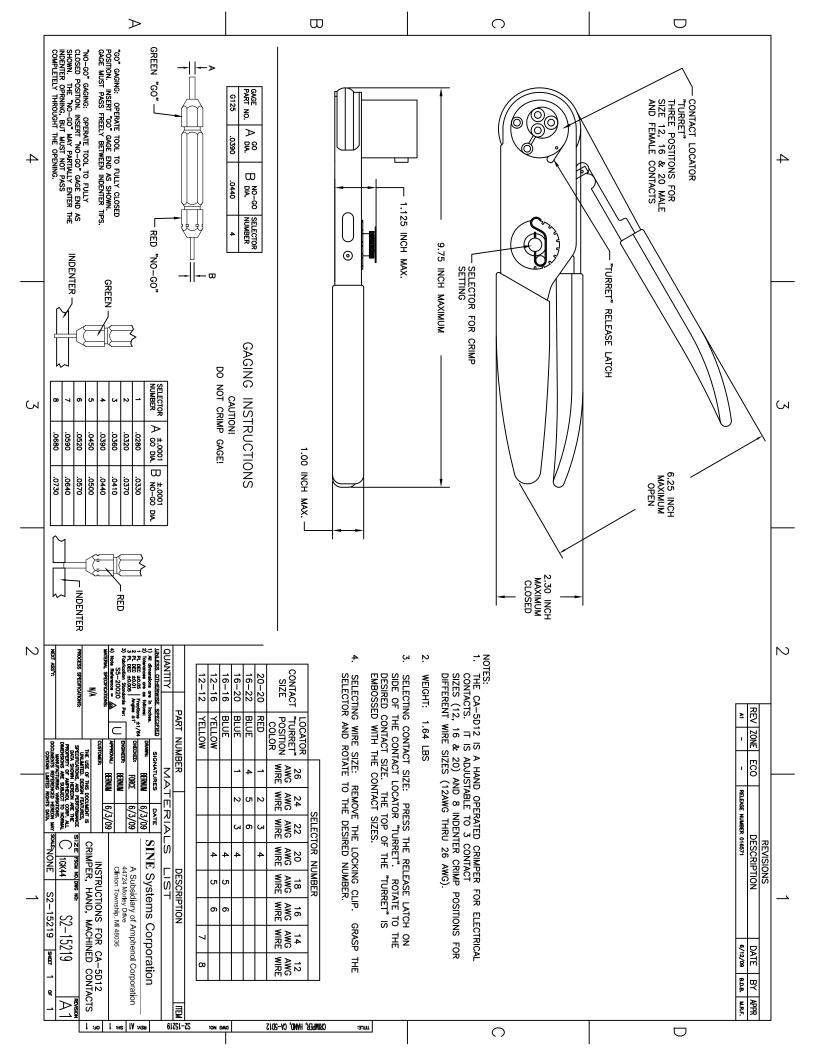


OLIVER DESCRIPTION IRU QUANTITY MATERIALS LIST 1) Midmenter or is team. SIGMETURES SIGMETURES DATE 1) Midmenter or is team. Dames BUNU 6/8/09 SINE Systems Corporation 1) Midmenter or is team. Dames BUNU 6/8/09 SINE Systems Corporation 1) Midmenter or is team. Dames BUNU 6/8/09 Aussidiary of Amphenol Corporation 3) Advisor are in team. Dames BUNU 6/8/09 Aussidiary of Amphenol Corporation 3) Advisor are in team. Dames BUNU 6/8/09 Aussidiary of Amphenol Corporation 4) New New or in team. Dames BUNU 6/8/09 INSTRUCTIONS, AIT-16-00 & 01 NATT NUMBER Dames Subject for the nonumers INSTRUCTIONS, AIT-16-00 & 01 CRIMPER, HAND, STAMPED CONTACTS NUM The use of the nonumers Size Issue nonumers Size Issue nonumers Subject on team. Dames Nation Nations Size Issue Nations Alt Not Asstr Dames Nations Size Issue Nonumers Alt Not As	TO WIRES LISTED IN DTT-16-00 AND DTT-16-01): METERS] TACT DATA DRAWINGS. 16 CONTACTS ONLY TC PART NUMBERS ARE DT	ACT	UNLESS OTHERWISE SPECIFIED): DIMENSIONS IN INCHES [MILLIMETERS] PLATING CODES ** SEE CONTACT DA TOOL IS FOR CRIMPING SIZE 16 COI CHARTS. TSCH IPD CROSS REFERENCE PART N	OTHERWIS IONS IN II IG CODES IS FOR CI S. PD CROSS	 NOTES (UNLESS OTHERWISE SPECIFIED): ALL DIMENSIONS IN INCHES [MILLIM FOR PLATING CODES ** SEE CONT/ 3. THIS TOOL IS FOR CRIMPING SIZE THE CHARTS. 4. DEUTSCH IPD CROSS REFERENCE F 	
ALL REFERENCES TO DEUTSCH PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO DEUTSCH INDUSTRIAL PRODUCTS.	CAVITY VIEW OF CRIMPER NUMBER ATT-16-01	C V WIRE SIZE 18AWG .75mm ² .75mm ² .50mm ²		CRIMPER NUMBER: 16-01 WITH CAVITY 6-01** PIN .075140 6-01** SOC [1.91 - 3.56] 6-06** PIN .055100 6-06** SOC [1.40 - 2.54]		USE CRIMPI ATT-16-01 <u>contact P/n:</u> <u>at60-16-01**</u> <u>at60-16-06**</u> <u>at62-16-06**</u>	
6/12/09 B.D.B.	CAVITY VIEW OF CRIMPER NUMBER ATT-16-00	Y WIRE SIZE 1.5mm² 1.6AWG 1.0mm² 1.5mm² 1.5mm² 1.6AWG 1.0mm² 1.0mm²		CRIMPER NUMBER: - 16-00 WITH CAVITY ACT P/N: INSULATION Ø -16-01** PIN .075140 -14-01** SOC [1.91 - 3.56] -14-01** SOC [2.41 - 3.81] -16-06** PIN .055100 -16-06** SOC [1.40 - 2.54]	PER soc	USE CRIM ATT - 16 - C <u>CONTACT P/N:</u> AT60-16-01** AT62-16-01** AT62-14-01** AT62-14-01**	
REV ECO DESCRIPTION DATE BY APPR							

	>	Φ	0	
	 XX*= PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING. WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. USE A BLADE MIRROMETER (0.100)2.54] MIN SPINDLE AND 0.060/0.010[1.50/0.040] ANVIL) TO MEASURE THE CONDUCTOR CRIMP. SEE SECTION AA CRIMP TENSILE STRENGTH IS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH[25.4] PER MINUTE. INSULATION WINGS ARE REMOVED FOR TEST. ACTUAL CRIMP TENSILE STRENGTH DEPENDS ON WIRE/CONDUCTOR SIZE. VALUES ON THIS SPECIFICATION ARE FOR REFERENCE ONLY. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND IT'S WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION MAY BE AN ECOPTION, INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAMETER SHOULD BE THE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFLON INSULATION MAY BE AN ECOPTION), INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAM CONNECTOR GROMMET SEAL. CONDUCTOR TYPE ARE PER SAEJ.1128(AWG) AND ISO 6722(METRIC) FOR CONTACT MATERIAL AND PERFORMANCE DATA, SEE DRAWING S2-15217. REFER TO S2-15223 AND S2-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA. 	0.105-0.125 [2.67-3.18] ATT-711-0200 ATT-7311-0200 0.085-0.111 [2.16-2.82] ATT-7213-0200 ATT-7313-0200 0.0075-0.105 [1.91-2.67] ATT-7214-0200 ATT-7313-0200 0.063-0.094 [1.62-2.39] ATT-7214-0200 ATT-7317-0200 0.0560-0.075 [1.27-1.91] ATT-7218-0200 ATT-7318-0200 0.0560-0.075 [1.27-1.91] ATT-7218-0200 ATT-7318-0200 0.0560-0.075 [1.27-1.91] ATT-7218-0200 ATT-7318-0200 1. ALL DIMENSIONS ARE IN NOHES[mm]. FORCES ARE IN POLIND'SH SY AND NEWTONSINU FORCES ARE IN POLIND'SH SY AND NEWTONSINU	AT60-16-06xx AT62-16-06xx INSULATION RANGE 0.055-0.100[1.40-2.54] INSULATION DIAMETER RANGE	STAMPED CONTACT PART NUMBER 1062-PIN 1062-SOCKET SIZE AT60-14-01xx AT60-14-01xx AT62-14-01xx AT62-1601xx AT62-1601xx AT62-1601xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01xx AT60-16-01x AT60-10-01x AT60-10-000 AT60-10-000 AT60-10-000 AT60
4	"XX" = PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING. WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. SEE SECTION AA CRIMP TENSILE STRENGTHIS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH[25.4] PER MINUTE. INSULATION WINGS ARE CRIMP TENSILE STRENGTHIS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH[25.4] PER MINUTE. INSULATION WINGS ARE CRIMP TENSILE STRENGTHIS DETERMINED BY CONNECTOR AND IT'S WIRE CONDUCTOR SIZE. VALUES ON THIS SPECIFICATION ARE FOR REFERENCE ONLY. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND IT'S WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION CRIMP DIAMETER SHOULD BE THE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFLON UNSULATION RANGE. CONDUCTOR GROMMET SEAL. CONDUCTOR TYPE ARE PER SAEJ1128(AWG) AND ISO 6722(METRIC) FOR CONTACT MATERIAL AND PERFORMANCE DATA. SEE DRAWING 52-15217. REFER TO 52-15223 AND 52-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA.	105-0125 [2.67-3.18] ATT7:211-0200 ATT7:311-0200 0065-0111 [2.16-2.82] ATT7:215-0200 ATT7:313-0200 0075-0.105 [1.91-2.67] ATT7:215-0200 ATT7:313-0200 0075-0.105 [1.91-2.67] ATT7:215-0200 ATT7:313-0200 0050-0075 [1.27-1.91] ATT7:215-0200 ATT7:313-0200 0050-0075 [1.27-1.91] ATT7:216-0200 ATT7:318-0200 0150-0075 [1.27-1.91] ATT7:216-0200 ATT7:318-0200 0150-0075 [1.27-1.91] ATT7:218-0200 ATT7:318-0200 <td>1.00mm⁴ 0.069[1:27] 0.0 118 AWG 0.049[1:27] 0.0 16 AWG 0.059[1:27] 0.0 16 AWG 0.059[1:27] 0.0 17 MWG 0.049[1:22] 0.0 18 AWG 0.049[1:22] 0.0 19 AWG 0.049[1:22] 0.0 0.75mm² 0.049[1:22] 0.0 0.75mm² 0.049[1:22] 0.0 0.50mm² 0.445[1:4] 0.0 0.50mm² 0.457[1:4] 0.0</td> <td></td>	1.00mm ⁴ 0.069[1:27] 0.0 118 AWG 0.049[1:27] 0.0 16 AWG 0.059[1:27] 0.0 16 AWG 0.059[1:27] 0.0 17 MWG 0.049[1:22] 0.0 18 AWG 0.049[1:22] 0.0 19 AWG 0.049[1:22] 0.0 0.75mm ² 0.049[1:22] 0.0 0.75mm ² 0.049[1:22] 0.0 0.50mm ² 0.445[1:4] 0.0 0.50mm ² 0.457[1:4] 0.0	
	T DRAWING NEEN OR MISSING (DLE AND 0.060/0.01 PULL RATE SPEED PULL RATE SPEED V CONNECTOR AN Y		094[2.39] 1994[2.39] 1994[2.39] 1994[2.39] 1992[2.01] 1979[2.01] 1979[2.01] 1979[2.01] 1979[2.01] 1979[2.01]	HMP WIDTH ±0.003 INCH 1±0.006 mml 0.094[2.39]
	CONDUCTOR STR/ 0[1.50/0.040] ANVIL S ON WIRE/CONDU S ON WIRE/CONDU ID IT'S WIRE SEAL 9 ID IT'S WIRE SEAL 9 OT AFFECT REMOV OT AFFECT REMOV G S2-15217. G S2-15217.	ATT7-101-0200 ATT7-101-0200 ATT7-210-0200 ATT7-210-0200 ATT7-211-0200 ATT7-211-0200 ATT7-217-0200 ATT7-217-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200 ATT7-310-0200	ATT7-003-0200 ATT7-103-0200 CROSS REFE SINE PART NUMBER NU MFX-3950 DCT1 ATT7-002-02200 1011	AT17-002-0200 AT17-101-0200
	NDS ARE NOT ACC) TO MEASURE THE CTOR SIZE. VALUS SIZE. SEE CONNEC SIZE. SEE CONNEC SIZE. SEE CONNEC SIZE. SEE CONNEC SIZE. SEE CONNEC	1017-03-0220 1017-103-0220 1017-210-0220 1017-211-0220 1017-213-0220 1017-213-0220 1017-217-0220 1017-310-0220 1017-313-0220 1017-313-0220 1017-313-0220 1017-317-0220	25[[11] 177-103-02.00 25[[11]] 15[67] 15[6	LIBSINI 25(111) 25(111)
S	EPTABLE. CONDUCTOR CRIM SON THIS SPECIFIC TOR DRAWING FOR TOR DRAWING FOR TANICE AND SHALL N IANCE AND SHALL N			B
	P. SATION EFLON GEFLON GEFLON	BULGING	NO CRIMP TOOLING MARKS - ALLOWED IN THIS AREA OF THE INSULATION MINGS INSULATION WINGS STRANDS NOT PERMIS	Bellmouth Wiened From the Top AS show, Bellmouth Wist Not Extring Berond Crimp- Insulation Not Permissible in Seam
			P TOOLING MARKS THE INSULATION D35[8.28] BETHIND NSULATION WINGS INSULATION WINGS	THE TOP AS SHOWN.
2		THE TO FEEDER MUST NOT EFFE		
	ALL REFERENCES TO DEUTSCH PRODUCTS (COMPARISON PURPOSES ONLY, AND REFER UNLESS OTHERWISE SECTION UNLESS OTHERWISE SECTIO	THE TECHT THE FERSH D		REV ZONE ECO REV ZONE ECO REVE AND HAVE RO STRANDS ECTEND THRU THE SEAN AND HAVE NO STRANDS ECTEND THRU THE SEAN MUST NOT EXCEED CRIMP WIDTH
	LES TO DEUTSCH PRODU PART NUMBER NAA TEF SSELEDEE SIGNATURES DA MART BERMEN BUNN MART EF SSELEDEE SIGNATURES DA MART EF SSELEDEE SIGNATURES DA SSELEDEE SIGNATURES DA MART EF SSELEDEE SIGNATURES DA MART EF SSELEDEE SIGNATURES DA SSELEDEE SIGNATURES DA	SF THE CON	STANK 0.0220(0.00 - 0.51) FE STRUCHT FD OR BACKWARD OFF CE DS OR BACKWARD OFF CE CF AN INSERTION/DOTAGE OF AN INSERTION AND INSERT	REV ZONE ECO <u>NI</u> HAVE NO STRANDS ENTEND THRU TH HAVE NO STRANDS ENTEND THRU TH CRIMP MUST BE STMMETRICAL MUST NOT EXCEED CRIMP WIDTH MUST NOT EXCEED CRIMP WIDTH
			TION TOOL	E NUMBER
<u> </u>	S OR SPECIFICATIONS ARE FOR TO DEUTSCH INDUSTRIAL PROD DESCRIPTION LS LIST A Subsidiary of Amphenol Corpo 44724 Morley Dave Clinton Township, MI 48036 SIZE TSU HOLEY FOR CRIMPED CONTA FOR CRIMPER MFX-3950 SIZE TSU HOLEY C 105(44) SZ-15222 SHEET 1	SECTION A-A		REVISIONS DESCRIPTION
	SPECIFICATIONS ARE FOR DEUTSCH INDUSTRIAL PRODUCTS. DESCRIPTION II LIST VE Systems Corporation A Subsidiary of Amphenol Corporation 44724 Morkey Date Cinton Township. MI 48036 Cinton Township. MI 48036 FOR CRIMPER MFX-3950 FOR CRIMPER MFX-3950 FOR CRIMPER MFX-3950 FOR CRIMPER MFX-3950 FOR CRIMPER MFX-3950	CRIMP WIDTH		DATE 9/12/09
				BY APPR
	l ыо но⊧ IV нан IV нан II он⊧ I	a Sloving (134114) Stylig and Sloving S	0	

	≥	ω	0		D	
	 XX = PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING. WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. WIRE STRIP LENGTH: D.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. WIRE SECTION AA CRIMP TENSILE STRENGTH IS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH[25.4] PER MINUTE. INSULATION WINGS ARE REMOVED FOR TEST. ACTUAL CRIMP TENSILE STRENGTH DEPENDS ON WIRE/CONDUCTOR SIZE. VALUES ON THIS SPECIFICATION ARE FOR REFERENCE ONLY. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND IT'S WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION RANGE. INSULATION CRIMP DIAMETER SHOULD BE THE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFLON INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAN CONNECTOR GROMMET SEAL. CONDUCTOR TYPE ARE PER SAEJ. IO. FOR CONTACT WATERIAL AND PERFORMANCE DATA, SEE DRAWING S2-15217. II. REFER TO S2-15223 AND S2-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA. 	О.120-0.150 (3.05-3.81) НТИ-ст. Иновеск 0.105-0.125 (2.67-3.18) АТТ-225-0200 АТТ-225-0200 0.008-0.111 (2.16-2.318) АТТ-225-0200 АТТ-225-0200 0.008-0.111 (2.16-2.318) АТТ-225-0200 АТТ-225-0200 0.008-0.015 [1.91-2.67] АТТ-225-0200 АТТ-225-0200 0.005-0.015 [1.27-1.91] АТТ-225-0200 АТТ-225-0200 0.050-0.075 [1.27-1.91] АТТ-225-0200 АТТ-325-0200 0.050-0.075 [1.27-1.91] АТТ-230-0200 АТТ-335-0200 1. ALL DIMENSIONS ARE IN NCHES[mm]. ATT-335-0200 АТТ-335-0200 1. ALL DIMENSIONS ARE IN NCHES[mm]. ATT-335-0200 ATT-335-0200	AT60-16-065x AT62-16-065x INSULATION RANGE 0.055-0.100[1.46-2.54]	AT66-16-01xx AT62-16-01xx INSULATION RANGE 0.075-0.140[1-91-3.56]	AT60-14-01xx AT62-14-01xx INSULATICN RANGE 0.095-0.150[2.41-3.81]	STAMPED CONTACT PART NUMBER 1060-PM 1062-SOCKET
4	 "XX" PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING. "WIRE STRIP LENGTH: 0.175±0.025(4.45±0.64). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. USE A BLADE MICROMETER (0.100[2.54] MIN SPINDLE AND 0.0600.010[1.50(0.040] AWIL) TO MEASURE THE CONDUCTOR CRIMP. SEE SECTION AA CRIMP TENSILE STRENGTH IS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH[25.4] PER MINUTE. INSULATION WINGS ARE REMOVED FOR TEST. ACTUAL CRIMP TENSILE STRENGTH DEPENDS ON WIRE/CONDUCTOR SIZE. VALUES ON THIS SPECIFICATION ARE FOR REFERENCE ONLY. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND IT'S WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION RANGE. INSULATION RANGE IS DETERMINED BY CONNECTOR AND IT'S WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION RANGE AND ETHE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFLON INSULATION MAY BE AN EXCEPTION). INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAMAGE CONDUCTOR TYPE ARE PER SAEJ/128(AWG) AND ISO 6722(METRIC) FOR CONTACT MATERIAL AND PERFORMANCE DATA, SEE DRAWING S2-15217. REFER TO S2-15223 AND S2-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA. 	<u>1,81)</u> 1,81) 4,117-225-0200 1,18] 4,117-226-0200 1,282) 4,117-228-0200 1,291) 4,117-228-0200 1,91] 4,117-230-0200 1,91] 4,1	16 AWG 1,00mm ² 18 AWG 0.75mm ² 20 AWG 0.50mm ² NISULATION	2,00mm ² 0,0 1,50mm ² 0,0 16 16 AWG 0,0 18 AWG 0,0 18 AWG 0,0 0,75mm ² 0,0		SIZE WIRE SIZE WIRE SIZE
	SOUTACT DRAWING . SOUTACT DRAWING . 34]. BROKEN OR MISS 20 AT A PULL RATE SI 20 AT A PULL RATE SI 20 AT A PULL RATE SI 20 AND BY CONNECTO 21 AULATION CRIMP SHA 30 AND ISO 6722(ME ANCE DATA, SEE DRA ANCE DATA, SEE DRA ANCE DATA, SEE DRA	ATT7-7325-0200 ATT7-7325-0200 ATT7-7325-0200 ATT7-7325-0200 ATT7-330-0200 SPECIFIED	ED ANNA MINAGED	+++++		CRIMP HEIGHT CRIMP WIDTH -0.001/0.002 NICH ±0.003 NICH (-0.03-0.05 mm) (=0.08 mm)
	SING CONDUCT PEED OF 1.00 II PEEDS ON WIR PENDS ON WIR R AND IT'S WIF R AND IT'S WIF R AND IT'S WIF R AND IT'S THAN THE DI LL NOT AFFEC LL NOT AFFEC	AT17 AT17 AT17 AT17 AT17 AT17 AT17 AT17		1 1 AT17-083-0200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONDUCTOR PUNCH H NUMBER
	OR STRANDS / INJ ANVL) TO M CH(25.4] PERI E/CONDUCTOR E/CONDUCTOR E/SEAL SIZE. : RESEAL SIZE. : REMOVAL TO F REMOVAL TO F REMOVAL TO F REMOVAL TO I REMOVAL TO	+ + + + + + + + + + + + + + + + + + +	AT17-182 DSS 953-020) AT17-183-0200) AT17-183-0200	CONDUCTOR ANVIL NUMBER
Ы	ARE NOT ACCEI EASURE THE C SIZE. VALUES SEE CONNECTO SEE	1017-082-0200 1017-183-0200 1017-182-0200 1017-225-0200 1017-226-0200 1017-229-0200 1017-229-0200 1017-230-0200 1017-326-0200 1017-327-0200 1017-328-0200 1017-329-0200	25(111) 15(67) 15(7)1	25[111]	25[111]	CRIMP TENSILE REFERENCE LBS[N]
	TABLE. ONDUCTOR CRI ON THIS SPECIF OR DRAWING FO ITION (HARD OR ITION (HARD OR ICE AND SHALL	888888888888888888888888888888888888888			BELLA	
	MP. Re RE R R R TEFLON NOT DAMAGE		ALCONPT [0,037 NIS STR STR		Bellinguith wered from the top as shown wire strands and insulation must be visible in this opening	
			NO CRIMP TOOLING MARKS J		In viewed from the top as shown th wust not extend beyond crimp be visible in this opening	
					CRIMP.	
N	ALL REFER COMPARISC UNALTITY UNALESS OTHER TOWARDS AND ANDER SCALE WITTOW NEW SCALE NOT ASS'Y.	THE TO FEEDER STRIP 0.010[0.25] MAX				N
	EFERENCI ITITY ITITTY ITITY ITITY ITITY ITITY ITITY ITITY ITITY ITITY ITITY IT	P 0.010[0.25] W			CONDUCTOR CRIMP MUST BE FULLY CLOSED AND HAVE NO STRANDS EXTEND THRU THE SEAN CRIMP MUST BE STAMETRICAL MUST NOT EXCEED CRIMP WIDTH	
	PART NUMBER PART NUMBER BECEIERS BASE BESEIERS BASE BESEIERS BASE BASE BASE BASE BASE BASE BASE BAS	}r Th€ CON	0.020(0.00 - 0.51) F BE STRUCHT DO RE BRACKWARD OFF DO RE BRACKWARD OFF CO F AN INSERTION/EXT OF AN INSERTION (A A A A A A A A A A A A A A A A A A A	Simx	lactor crimp must be fully closi have no strands extend thru th crimp must be symaletrical must not exceed crimp width	REV ZONE ECO
	DEUTSCH PRODUCTS S ONLY, AND REFEI MIER MATERIA SIGNATURES SIGNATURES DATE MIER SIGNATURES DATE MIER SIGNATURES SI	iductor crimp. Crimp Height	CENTER.		THE SEAM	REV DESC NUMBER 01657
	DUCTS OR SPEC REFER TO DEUT REFER TO DEUT REIALS LI: <u>17/709</u> A St <u>17/709</u> A St <u>17/709</u> CRIMP CRIMP CRIMP CRIMP CRIMP FO BRIS STEE FROM WOIL FO 110K44	SECTION AA				REVISIONS DESCRIPTION HEER 016571
<u> </u>	ミック <u>1</u> 55 () () () () () () ()					
	CATIONS ARE FOR CH INDUSTRIAL PRODUCT T T stems Corporation sidiary of Amphenol Corporatio former Dree Commentation Commen	ap width 0.01[0.25] Maximum Flash				DATE 6/12/09
		a SLOWING COMPLET VIVI 21/99650 COMUNCL2	~			BY APPR B.D.B. M.R.F.
			0			





	CRIMP				-		
		16	16	CONTACT SIZE		AT60-202-16XX AT62-201-16XX ▲	CONTACT P/N
4	CTION A-A CROSS-SECTION	CA-5D12 CA-5E12	CA-5D12 CA-5E12	CRIMP TOOL PART NUMBER			P/N
		12	12			16PIN 16SOC	TYPE 4
		BLUE	BLUE	CONTACT LO "TURRET" P		16AWG 1.0mm 18AWG 0.75mm 20AWG 0.50mm 2	WIRE SIZE
				LOCATOR		35[156] 25[111] 20[89]	REF. ONLY TENSILE LBS[N]
		4	თ	WIRE SELECTOR NUMBER			ONLY
	-0.100[2.54] MAX	0.0	0.0		5		
Ы	$\begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	0.039[.991]	0.052[1.32]	GO GAGE INCH[MM]		16	RECOMMENDED
		0.044[1.12]	0.057[1.45]	"NOGO" GAO		STRIP LENGTH INCH[MM] 0.250-0.312[6.35-7.92]	
		12] SIZE	45]	GAGE MM]		STRIP LENGTH 	STRIP LENGTH
		E 16 WITH WIRE		REMARKS		.92]	T
		20					
N							
	INSER PART N QUANTITY PART N <	~					
	B. REFERENCE CENTERED CENTERED CRMP BAR WIRE SIZE: B. REFERENCI S. REFERENCI S. REFERENCI NARY FROM VARY FROM VARY FROM VARY FROM VARY FROM Note State Stat	4. FOR AND CONC			0		
	INSPECTION HOLE PRIOR TO CRIMP. PROPER CRIMP TOOLING WILL PRODUCE A CRIM CENTREED BETWEEN THE INSPECTION HOLE AND CRIMP BARREL END. WIRE SIZES PER SAE JII28 AND JI560 [DIN 725 REFERENCE INSTRUCTION MANUALS S2-15219 / S2-15220 FOR CA-SD12 AND CA-SE12 HAND PNUEMATIC CRIMPER THE CRIMP HEIGHT DIMENSION AFTER CRIMPING VARY FROM THE VALUES LISTED FOR THE "GO-II NMATE CRIMP INFORMATION AND CA-SE12 HAND NATE ROM THE VALUES LISTED FOR THE "GO-II NMATE CRIMP INFORMATION AND AND AND AND AND AND AND AND AND AN	CONTACT APPLICATION	WHEN XX=21, CONTACT PLATING IS NOCKEL WHEN XX=141, CONTACT PLATING IS NOCKEL PULL RATE OF 1.0 IN [25.4] PER MINUTE. STRENGTH DEPENDS ON WRE SIZE	DO NO	NOTES: UNLESS		
	R RRPEL END. ES PER SAE JII28 C CRIMPER-SULS M THE VALUES LIS M THE VALUES SIS M THE VALUES LIS M THE VALUES SIS M THE VALUES	PERFORM DN DETAIL	1.0 IN	CONTACT	TSS OT		
	SILS LISTED FOF SILS AND JI5 NN MANUALS LISTED FOF SILNE SVS ASUNE SOLID SIZE FOR AND A SUNE SVS ASUNE SOLID SIZE FOR AND	ANCE, MA	25.4] PET	3AGE PINS	OTHERWISE		
<u>ب</u>	PECTION HOLE A CRIMP PECTION HOLE AND NUALS S2-15219 A D CA-SE12 HAND A T CAN A CHINE A SOLID MACHINED A SOLID MACHINED A SOLID MACHINED A CRIMP INFORM SOLID MACHINED A CRIMP INFORM SOLID MACHINED A SOLID MACHINED A SOLID MACHINED A SOLID MACHINED A SOLID MACHINED A SOLID MACHINE A SOLID A SOL	TERIAL SP RAWING S	IS NICKE	3. CLOSE	SE SPE		
	INSPECTION HOLE PRIOR TO CRIMP. PROPER CRIMP TOOLING WILL PRODUCE A CRIMP CENTERED BETWEEN THE INSPECTION HOLE AND CRIMP BARREL END. WIRE SIZES PER SAE JII28 AND JI560 [DIN 72551-6] REFERENCE INSTRUCTION MANUALS S2-15219 AND PNUEMATIC CRIMPER. THE CRIMP HEIGHT DIMENSION AFTER CRIMPING MAY VARY FROM THE VALUES LISTED FOR THE "GO-NOGO" PINS. THE CRIMP HEIGHT DIMENSION AFTER CRIMPING MAY VARY FROM THE VALUES LISTED FOR THE "GO-NOGO" PINS. THE CRIMP HEIGHT DIMENSION AFTER CRIMPING MAY VARY FROM THE VALUES LISTED FOR THE "GO-NOGO" PINS. THE CRIMP HEIGHT DIMENSION AFTER CRIMPING MAY NATER TRANSMENT FOR THE 'SOUNDER' STATE SINE STEE SUBMING THE USEN FORMER STATES STATE STATE OF THE OFFICIAL STEE SOUNDER NO. NOTIFIES TO THE OFFICIAL STEE SOUNDER NO. THE USEN FORMER STATES STEE STATE SOUNDER NO. NOTIFIES TO THE OFFICIAL STEE SOUNDER NO. NOTIFIES TO THE OFFICIAL	FOR CONTACT PERFORMANCE, MATERIAL SPECIFICATIONS AND APPLICATION DETAILS, SEE DRAWING S2-15217. CONDUCTOR STRANDS MUST BE VISIBLE THRU THE	L ACTUAL	MINMIUM +/-0.0005 [0.013] TOLERANCE STEEL GAGE PINS. DO NOT CRIMP GAGE PINS. CLOSE DIE, THEN USE GAGE PINS. TO ATING IS COLD	SPECIFIED		
	6] O"PINS.	SNC		GE			

Φ

0

⊳

81751-75

DMC NO:

ીઃ⊿o ીઃમs IVંઃ∧વચ

элш

0

CRIMP INFORMATION SOLD CONTACTS

4

 \Box

⊳

ᢙ

З

 \sim

REV ZONE ECO

REVISIONS DESCRIPTION RELEASE NUMBER 016571

DATE BY APPR 6/12/09 B.D.B. M.R.F.

	>	c	D							C)							D		
			20	18	16	14	WIRE AWG			16	16	16	SIZE	S&F CONTACT	;	16	SOLID CONTACT SIZE			
4			7.5	10	13	18	TEST CURRENT	(LESS DROP		AT60-16-06**	AT60-16-01**	AT60-14-01**	PIN	STAMPED CON		AT60-202-16**	SOLID CONTACT			4
			60	60	60	60	MILLIVOLT	CONTACT RESISTANCE STRENGTH (LESS DROP THROUGH WIRE)		AT62-16-06**	AT62-16-01**	AT62-14-01**	SOCKET	STAMPED CONTACT PART NUMBERS		AT62-201-16**	SOLID CONTACT PART NUMBERS			
			100	100	100	100	MILLIVOLT DROP S&F)) INGTH			1-01**	-01**	Ĩ	RS	2	-16**	Ê	_		
		0.074.98 0.0 S]	18-20 [0.75-0.50]	16-18 [1.0-0.75]	14-16 [2.0-1.0]	AWG [mm*]	WIRE SIZE		16-20 [1.5-0.5]	WIRE SIZE AWG(mm ²)	A		
Ŋ		STAMPED CONTACT PLATING OPTIONS: A 22= NICKEL 44= GOLD* 88= SELECTIVE GOLD* 88= SELECTIVE GOLD* GOLD'= PLATING IS AVAILABLE (RECOMMENDED) FOR ONLY(-SV) CIRCULT APPLICATIONS MATERIALS AND PLATINGS ARE ROHS COMPLIANT	41= NICKEL	SOLID MACHINED CONTACT PLATING OPTIONS: 31= GOLD*		SOCKET: COPPER ALLOY WITH STAINLESS STEEL SLEEVE	PIN: COPPER ALLOY	MATERIAL SPECIFICATION AND PLATING ** CODES	₽	.055 - 095 [1 40 - 2 41]	075 - 100 [1.90 - 2.54]	100 - 150 [2.54 - 3.81]	O.D. RANGE	WIRE	[0.35-7.92]	0.25-0.31	RECOMMENDED STRIP LENGTH INCH [mm]			3
04		ATING OPTIONS: A		TACT PLATING OPTIC		OY WITH STAINLESS :		* CODES		0 150 0 200 [3 81 5 08]	0.150-0.200 [3.81-5.08]	0.150-0.200 [3.81-5.08]	INCH [mm]	RECOMMENDED STRIP LENGTH		25 [111]	MIN CONTACT RETENTION LBS [N]			
		V VDED) FOR		INS:		STEEL SLEEVE				08] 25 [111]	08] 25 [111]	08] 25 [111]		MIN CONTACT		35-20 [156-80]	REF CRIMP TENSILE LBS [N]			
		S2- MAXIMUM RI	"SOLID"	SEE SPEC	GROMMET SI	3 CONTACT RE	2 ALL FORCES	NOTES: UN		25-15 [111-67]	25 [111]	25 [111]		T REF CRIMP	5	13	MAX RATED AMPS@125°C CONTINUOUS			
Ν		S2-15218 16 MRATED CURRENT IN CTFACTORY FOR ALL VOL SINE PERFORMAN	ID" CONTACTS SI	CIFICATIONS LIST	S AND INSULATION SEALING SIZE.	STRENGTH OF THE CRIMP.	ALL DIMENSIONS ARE INCHES[MM] ALL FORCES ARE IN "LBS"(POUNDS	NOTES: UNLESS OTHERWISE SPECIFIED		7] 13	13	13		MAX RATED						2
		N CHART DEI AVAILABLE I	SIZE "S	ED BELOW F	RANGES ARI	ULL RATE SH	[mm] UNDS) AND "	RWISE S					SUC	ν Ο Ο						
		S2-15218 16 S2-15222 16 S2-15221 16/20 MAXIMUM RATED CURRENT IN CHART DEPENDS ON CONTACT SIZE. ACTUAL RATED CURRENT DEPENDS ON WIRE SIZE. CONTACT FACTORY FOR ALL AVAILABLE PLATING ON SPECIFIC CONTACTS. MAPHENOL SINE PERFORMANCE SPECIFICATIONS REQUIRE THE USE OF AMPHENOL SINE APPROVED TOOLING.	"STAMPED" CONTACTS	ECIFICATIONS LISTED BELOW FOR INDIVIDUAL CRIMP INFORMATION:	A WIRE SIZES AND INSULATION RANGES ARE FOR REFERENCE ONLY. THE ACTUAL INSULATION RANGE DEPENDS ON CONNECTOR GROMMET SEALING SIZE.	ALL BE 1.0 INCH[28	ALL DIMENSIONS ARE INCHESIMM] ALL FORCES ARE IN "LBS" (POUNDS) AND "[N]" (NEWTONS).	PECIFIED											REV ZONE E	
	MBER MATERIALS SIGNATURES SIGNATURES REPUBLIC REPUBLIC SIGNATURES REPUBLIC SIGNATURES SIGNATURES <td>16 16/20 16/</td> <td>'S SIZE</td> <td>MP INFORMATION</td> <td>ONLY. THE ACTU</td> <td>5.4] PER MINUTE I</td> <td></td> <td>- RELEASE NUN</td> <td></td>	16 16/20 16/	'S SIZE	MP INFORMATION	ONLY. THE ACTU	5.4] PER MINUTE I													- RELEASE NUN	
		RATED CURRENT I		÷	JAL INSULATION R	MAXIMUM. WIRE S													REVISIONS DESCRIPTION NUMBER 016571	
→	ST Sterr Sterr Morley I Morley I Townst	Jepends on Wir. Oved tooling.			ANGE DEPENDS (IZE WILL AFFECT														
	DESCRIPTION II LIST In 3. Systems Corporation A Subsidiary of Amphenol Corporation A Ar224 More Townsy Drive Clinica Townsy Drive Clinic Townsy Drive Clinica Townsy Driv	E SIZE			IN CONNECTOR	THE TRUE													DATE BY . 6/12/09 B.D.B.	
		Tract data, educival.	CON							C)							D	APPR M.R.F.	