

STAMPED AND FORMED CONTACTS, PG 1 of 2

Click on [blue underlined](#) 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)



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)



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 GOLD PLATING
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: 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)



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)

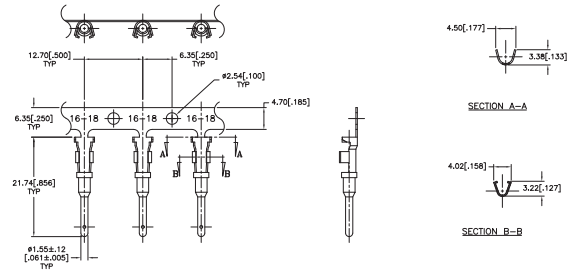


STAMPED AND FORMED CONTACTS, PG 2 of 2

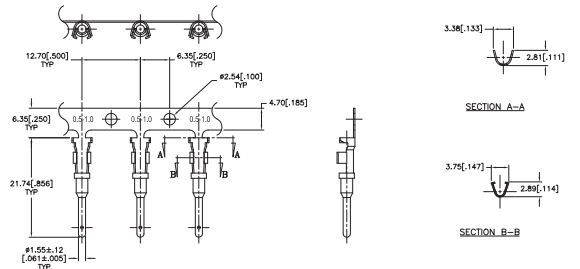
Click on [blue underlined part numbers](#) to be taken to their spec sheets.

OPTIONS

PART NUMBER: [AT60-16-01XX](#)
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, 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)



PART NUMBER: [AT60-16-06XX](#)
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-16-01, 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)



SOLID/MACHINED CONTACTS

Click on [blue underlined part numbers](#) to be taken to their spec sheets.

OPTIONS

MILITARY-STYLE

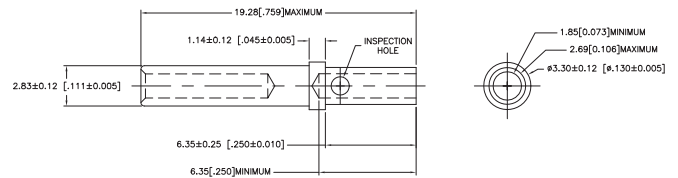
PART NUMBER: [AT60-202-16XX](#)
DESCRIPTION: CONTACT, PIN, SOLID MACHINED, SIZE 16
MATERIAL: COPPER ALLOY
PLATING SUFFIX CODE:
 XX=141 NICKEL PLATING
 XX=31 GOLD PLATING
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: CA-5D12 & CA-5E12
CRIMPER SPECIFICATIONS: S2-15219 & S2-15220
CRIMP INFORMATION DRAWING: S2-15218



PART NUMBER: [AT62-201-16XX](#)
DESCRIPTION: CONTACT, SOCKET, SOLID MACHINED, SIZE 16
MATERIAL:
 CONTACT BODY: COPPER ALLOY
 HOOD: STAINLESS STEEL
PLATING SUFFIX CODE:
 XX=141 NICKEL PLATING
 XX=31 GOLD PLATING
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: CA-5D12 & CA-5E12
CRIMPER SPECIFICATIONS: S2-15219 & S2-15220
CRIMP INFORMATION DRAWING: S2-15218



PART NUMBER: [65-54942-14](#)
DESCRIPTION: CONTACT, SOCKET, ROCKSOLID, SIZE 16
AWG RANGE: 14AWG
MATERIAL: COPPER ALLOY
PLATING: GOLD
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: CA-5D12 & CA-5E12
CRIMPER SPECIFICATIONS: S2-15219 & S2-15220
CRIMP INFORMATION DRAWING: S2-15218

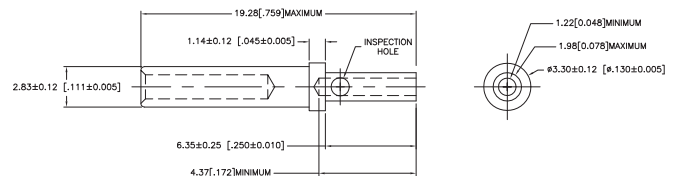


ROCKSOLID™ CONTACTS

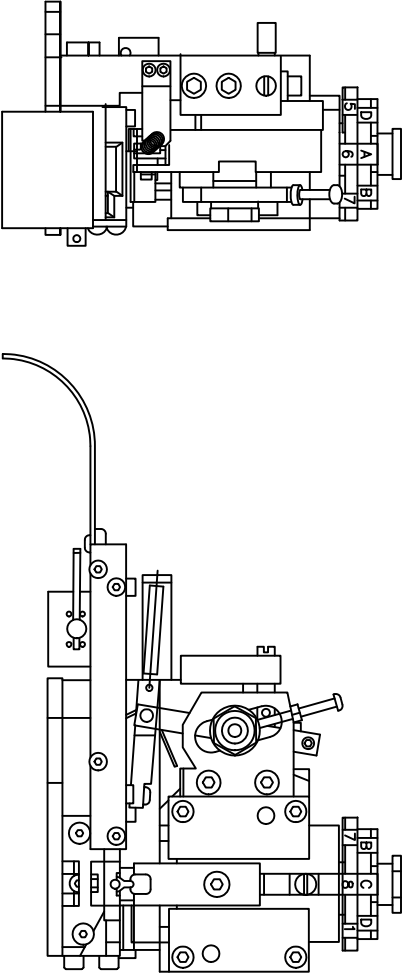
PART NUMBER: [65-54942-16](#)
DESCRIPTION: CONTACT, SOCKET, ROCKSOLID, SIZE 16
AWG RANGE: 16AWG
MATERIAL: COPPER ALLOY
PLATING: GOLD
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: CA-5D12 & CA-5E12
CRIMPER SPECIFICATIONS: S2-15219 & S2-15220
CRIMP INFORMATION DRAWING: S2-15218



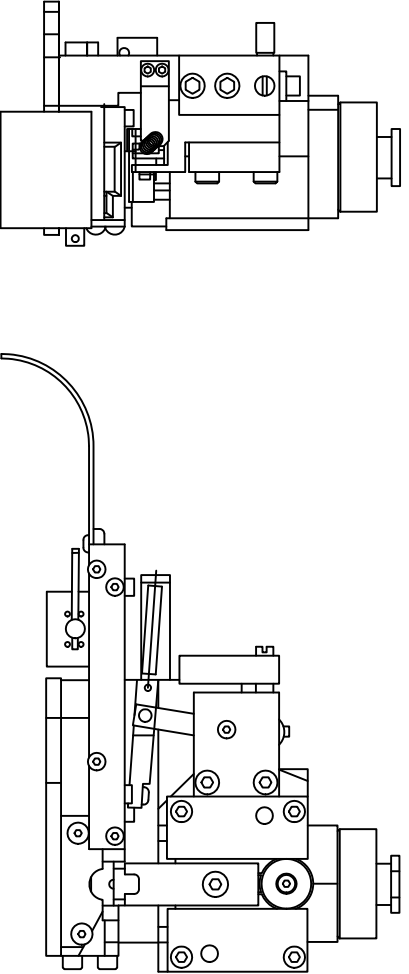
PART NUMBER: [65-54942-20](#)
DESCRIPTION: CONTACT, SOCKET, ROCKSOLID, SIZE 16
AWG RANGE: 20AWG
MATERIAL: COPPER ALLOY
PLATING: GOLD
CONTACT GENERAL DATA SPECIFICATION: S2-15217
AVAILABLE CRIMPERS: CA-5D12 & CA-5E12
CRIMPER SPECIFICATIONS: S2-15219 & S2-15220
CRIMP INFORMATION DRAWING: S2-15218



| REVOLUTIONS | | DESCRIPTION | DATE | BY | APPR |
|-------------|------|-------------|-----------------------|--------|--------|
| REV | ZONE | ECO | RELEASE NUMBER 016571 | B.D.B. | M.R.F. |
| A1 | - | - | | | |



| | |
|---------------------|-------------------------------|
| SINE PART NUMBER | MFX-3950 |
| DEUTSCH PART NUMBER | DCT16-02-00 |
| TYCO PART NUMBER | 1-3-1385344-1, 2, 3, 4, 5 & 7 |



| | |
|---------------------|---------------|
| SINE PART NUMBER | MFX-3953 |
| DEUTSCH PART NUMBER | DCT1620-02-00 |

ALL REFERENCES TO DEUTSCH PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO DEUTSCH INDUSTRIAL PRODUCTS.

ALL REFERENCES TO TYCO PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO TYCO ELECTRONICS.

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|--|-------------|-------------|------|
| MATERIALS LIST | | | |
| UNLESS OTHERWISE SPECIFIED | | | |
| 1) All dimensions are in inches. | | | |
| 2) All tolerances are in inches. | | | |
| 3) Pt. DEC 30.00 Precision 31/64 | | | |
| 4) Pt. DEC 30.00 Angles 31/64 | | | |
| 5) Fabrication Standards Per: <input type="checkbox"/> U | | | |
| 6) Title: SS-20020 | | | |
| 7) Material Specifications: <input type="checkbox"/> A | | | |
| 8) Process Specifications: <input type="checkbox"/> U | | | |
| 9) Material Specifications: <input type="checkbox"/> A | | | |
| 10) Process Specifications: <input type="checkbox"/> U | | | |
| 11) Material Specifications: <input type="checkbox"/> A | | | |
| 12) Process Specifications: <input type="checkbox"/> U | | | |
| 13) Material Specifications: <input type="checkbox"/> A | | | |
| 14) Process Specifications: <input type="checkbox"/> U | | | |
| 15) Material Specifications: <input type="checkbox"/> A | | | |
| 16) Process Specifications: <input type="checkbox"/> U | | | |
| 17) Material Specifications: <input type="checkbox"/> A | | | |
| 18) Process Specifications: <input type="checkbox"/> U | | | |
| 19) Material Specifications: <input type="checkbox"/> A | | | |
| 20) Process Specifications: <input type="checkbox"/> U | | | |
| 21) Material Specifications: <input type="checkbox"/> A | | | |
| 22) Process Specifications: <input type="checkbox"/> U | | | |
| 23) Material Specifications: <input type="checkbox"/> A | | | |
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| 25) Material Specifications: <input type="checkbox"/> A | | | |
| 26) Process Specifications: <input type="checkbox"/> U | | | |
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| 28) Process Specifications: <input type="checkbox"/> U | | | |
| 29) Material Specifications: <input type="checkbox"/> A | | | |
| 30) Process Specifications: <input type="checkbox"/> U | | | |
| 31) Material Specifications: <input type="checkbox"/> A | | | |
| 32) Process Specifications: <input type="checkbox"/> U | | | |
| 33) Material Specifications: <input type="checkbox"/> A | | | |
| 34) Process Specifications: <input type="checkbox"/> U | | | |
| 35) Material Specifications: <input type="checkbox"/> A | | | |
| 36) Process Specifications: <input type="checkbox"/> U | | | |
| 37) Material Specifications: <input type="checkbox"/> A | | | |
| 38) Process Specifications: <input type="checkbox"/> U | | | |
| 39) Material Specifications: <input type="checkbox"/> A | | | |
| 40) Process Specifications: <input type="checkbox"/> U | | | |
| 41) Material Specifications: <input type="checkbox"/> A | | | |
| 42) Process Specifications: <input type="checkbox"/> U | | | |
| 43) Material Specifications: <input type="checkbox"/> A | | | |
| 44) Process Specifications: <input type="checkbox"/> U | | | |
| 45) Material Specifications: <input type="checkbox"/> A | | | |
| 46) Process Specifications: <input type="checkbox"/> U | | | |
| 47) Material Specifications: <input type="checkbox"/> A | | | |
| 48) Process Specifications: <input type="checkbox"/> U | | | |
| 49) Material Specifications: <input type="checkbox"/> A | | | |
| 50) Process Specifications: <input type="checkbox"/> U | | | |
| 51) Material Specifications: <input type="checkbox"/> A | | | |
| 52) Process Specifications: <input type="checkbox"/> U | | | |
| 53) Material Specifications: <input type="checkbox"/> A | | | |
| 54) Process Specifications: <input type="checkbox"/> U | | | |
| 55) Material Specifications: <input type="checkbox"/> A | | | |
| 56) Process Specifications: <input type="checkbox"/> U | | | |
| 57) Material Specifications: <input type="checkbox"/> A | | | |
| 58) Process Specifications: <input type="checkbox"/> U | | | |
| 59) Material Specifications: <input type="checkbox"/> A | | | |
| 60) Process Specifications: <input type="checkbox"/> U | | | |
| 61) Material Specifications: <input type="checkbox"/> A | | | |
| 62) Process Specifications: <input type="checkbox"/> U | | | |
| 63) Material Specifications: <input type="checkbox"/> A | | | |
| 64) Process Specifications: <input type="checkbox"/> U | | | |
| 65) Material Specifications: <input type="checkbox"/> A | | | |
| 66) Process Specifications: <input type="checkbox"/> U | | | |
| 67) Material Specifications: <input type="checkbox"/> A | | | |
| 68) Process Specifications: <input type="checkbox"/> U | | | |
| 69) Material Specifications: <input type="checkbox"/> A | | | |
| 70) Process Specifications: <input type="checkbox"/> U | | | |
| 71) Material Specifications: <input type="checkbox"/> A | | | |
| 72) Process Specifications: <input type="checkbox"/> U | | | |
| 73) Material Specifications: <input type="checkbox"/> A | | | |
| 74) Process Specifications: <input type="checkbox"/> U | | | |
| 75) Material Specifications: <input type="checkbox"/> A | | | |
| 76) Process Specifications: <input type="checkbox"/> U | | | |
| 77) Material Specifications: <input type="checkbox"/> A | | | |
| 78) Process Specifications: <input type="checkbox"/> U | | | |
| 79) Material Specifications: <input type="checkbox"/> A | | | |
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| 81) Material Specifications: <input type="checkbox"/> A | | | |
| 82) Process Specifications: <input type="checkbox"/> U | | | |
| 83) Material Specifications: <input type="checkbox"/> A | | | |
| 84) Process Specifications: <input type="checkbox"/> U | | | |
| 85) Material Specifications: <input type="checkbox"/> A | | | |
| 86) Process Specifications: <input type="checkbox"/> U | | | |
| 87) Material Specifications: <input type="checkbox"/> A | | | |
| 88) Process Specifications: <input type="checkbox"/> U | | | |
| 89) Material Specifications: <input type="checkbox"/> A | | | |
| 90) Process Specifications: <input type="checkbox"/> U | | | |
| 91) Material Specifications: <input type="checkbox"/> A | | | |
| 92) Process Specifications: <input type="checkbox"/> U | | | |
| 93) Material Specifications: <input type="checkbox"/> A | | | |
| 94) Process Specifications: <input type="checkbox"/> U | | | |
| 95) Material Specifications: <input type="checkbox"/> A | | | |
| 96) Process Specifications: <input type="checkbox"/> U | | | |
| 97) Material Specifications: <input type="checkbox"/> A | | | |
| 98) Process Specifications: <input type="checkbox"/> U | | | |
| 99) Material Specifications: <input type="checkbox"/> A | | | |
| 100) Process Specifications: <input type="checkbox"/> U | | | |

| SIGNATURES | DATE | DESCRIPTION |
|------------------|--------|--|
| DESIGNED: BERNIM | 6/9/09 | SINE Systems Corporation A Subsidiary of Amphiphen Corporation 44724 Moley Drive Clinton Township, MI 48036 |
| CHECKED: TONE | 6/9/09 | |
| ENGINEER: BERNIM | | |
| APPROVAL: BERNIM | 6/9/09 | |
| CUSTOMER: | | CRIMPER INFORMATION MFX-3950 & MFX-3953 |

| | | | |
|--|---------------------------------|-------------|---------------|
| THE USE OF THIS DOCUMENT IS LIMITED TO THE SPECIFIC APPLICATIONS, AND PERFORMANCE CAPABILITY, AND DIMENSIONS ARE SUBJECT TO NORMAL DIMENSIONS AND TOLERANCES. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DOCUMENTS RETAINED HEREON MAY CONTAIN UNCLASSIFIED INFORMATION. | SIZE: 1/2" x 1/2" (1/4" x 1/4") | SCALE: NONE | SHEET: 1 OF 1 |
| PROCESS SPECIFICATIONS: | | | |
| MATERIAL SPECIFICATIONS: | | | |
| REVISION: | S2-15224 | | A1 |

4

3

2

1

4

3

2

1

A

B

C

D

D

D

C

IMP:

CRIMPER INFORMATION

DWG NO: S2-15224

REV: A1

9:

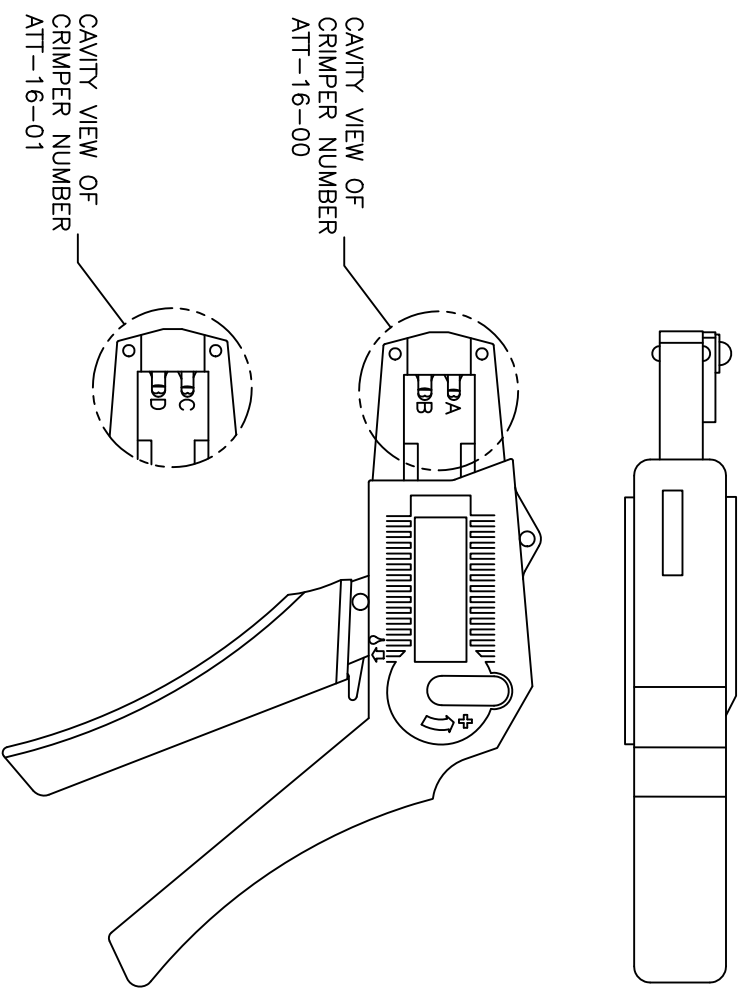
| REVISIONS | | | | | |
|-----------|-----|-----------------------|---------|--------|--------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE NUMBER 016571 | 6/12/09 | B.D.B. | M.R.F. |

USE CRIMPER NUMBER:
ATT-16-00 WITH CAVITY A & B

| CONTACT P/N: | INSULATION ϕ | CAVITY | WIRE SIZE |
|--------------|-------------------|--------|--------------------|
| AT60-16-01** | .075 - .140 | B | 1.5mm ² |
| AT62-16-01** | [1.91 - 3.56] | A | 16AWG |
| | | A | 1.0mm ² |
| AT60-14-01** | .095 - .150 | B | 14AWG |
| AT62-14-01** | [2.41 - 3.81] | B | 2.0mm ² |
| | | B | 1.5mm ² |
| | | A | 1.5mm ² |
| | | A | 16AWG |
| | | A | 1.0mm ² |
| AT60-16-06** | .055 - .100 | A | 16AWG |
| AT62-16-06** | [1.40 - 2.54] | A | 1.0mm ² |

USE CRIMPER NUMBER:
ATT-16-01 WITH CAVITY C & D

| CONTACT P/N: | INSULATION ϕ | CAVITY | WIRE SIZE |
|--------------|-------------------|--------|--------------------|
| AT60-16-01** | .075 - .140 | D | 18AWG |
| AT62-16-01** | [1.91 - 3.56] | D | .75mm ² |
| AT60-16-06** | .055 - .100 | D | 18AWG |
| AT62-16-06** | [1.40 - 2.54] | D | .75mm ² |
| | | C | .50mm ² |



ALL REFERENCES TO DEUTSCH PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO DEUTSCH INDUSTRIAL PRODUCTS.

- NOTES (UNLESS OTHERWISE SPECIFIED):
- ALL DIMENSIONS IN INCHES [MILLIMETERS]
 - FOR PLATING CODES ** SEE CONTACT DATA DRAWINGS.
 - THIS TOOL IS FOR CRIMPING SIZE 16 CONTACTS ONLY TO WIRES LISTED IN THE CHARTS.
 - DEUTSCH IPD CROSS REFERENCE PART NUMBERS ARE DTT-16-00 AND DTT-16-01.

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|----------|-------------|--------------------------------------|----------|
| | | MATERIALS LIST | |
| | | SINE Systems Corporation | |
| | | A Subsidiary of Amphenol Corporation | |
| | | 44724 Morley Drive | |
| | | Clifton Township, NJ 08036 | |
| | | INSTRUCTIONS, ATT-16-00 & 01 | |
| | | CRIMPER, HAND, STAMPED CONTACTS | |
| | | SIZE: FCSD NO/DWG NO: | REVISION |
| | | B 16K44 | A1 |
| | | SCALE: NONE | |
| | | S2-15223 | |
| | | SHEET 1 OF 1 | |

| UNLESS OTHERWISE SPECIFIED | | | |
|----------------------------------|------------------|--------|--|
| 1) All dimensions are in inches. | SIGNATURES | DATE | |
| 2) Tolerances are as follows: | DRAWN: BERNUJ | 6/8/09 | |
| 3) 1/16 DEC .0005 | CHECKED: FORCE | 6/8/09 | |
| 3) 1/32 DEC .0005 | ENGINEER: BERNUJ | | |
| 4) Hole Reference = A | APPROVAL: BERNUJ | 6/8/09 | |
| INTERNAL SPECIFICATIONS: | CUSTOMER: | | |
| N/A | | | |
| PROCESS SPECIFICATIONS: | | | |
| N/A | | | |
| NOT AS'Y: | | | |

| REVOLUTIONS | | DATE | BY | APP | |
|-------------|------|------|-----------------------|---------|--------|
| REV | ZONE | ECO | DESCRIPTION | B.O.B. | M.F.F. |
| 1 | - | - | RELEASE NUMBER 016871 | 6/12/08 | |

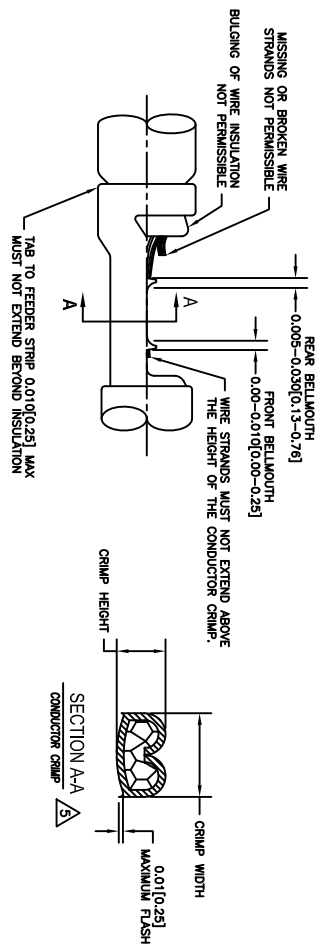
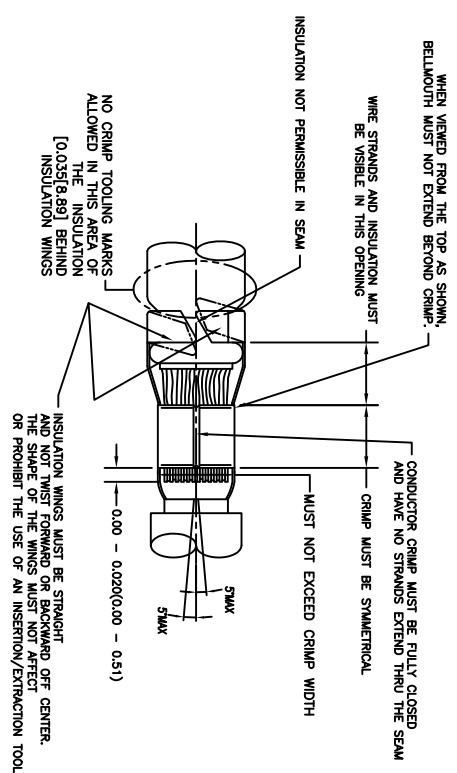
| STAMPED CONTACT PART NUMBER 1068=PIN 1068=SOCKET | SIZE | CONDUCTOR WIRE SIZE | CRIMP HEIGHT | CRIMP WIDTH | CONDUCTOR PUNCH NUMBER | CONDUCTOR ANVIL NUMBER | CRIMP TENSILE REFERENCE |
|---|------|--|--|------------------------|------------------------|------------------------|-------------------------|
| A780-14-011x A782-14-011x INSULATION RANGE 0.095-0.150(2.41-3.81) | 16 | 14 AWG 2.00mm ² 1.50mm ² 16 AWG 1.00mm ² 18 AWG 0.75mm ² | 0.055(1.40) 0.055(1.40) 0.055(1.39) 0.050(1.27) 0.048(1.24) 0.045(1.14) | ±0.003 NCH ±0.08 mm | AT17-002-0200 | AT17-101-0200 | 28(111) |
| A780-16-011x A782-16-011x INSULATION RANGE 0.075-0.140(1.91-3.56) | 16 | 14 AWG 2.00mm ² 1.50mm ² 16 AWG 1.00mm ² 18 AWG 0.75mm ² | 0.055(1.40) 0.055(1.40) 0.051(1.35) 0.050(1.27) 0.048(1.24) 0.045(1.14) | ±0.003 NCH ±0.08 mm | AT17-003-0200 | AT17-103-0200 | 28(111) |
| A780-18-011x A782-18-011x INSULATION RANGE 0.055-0.100(1.40-2.54) | 16 | 16 AWG 1.00mm ² 20 AWG 0.50mm ² | 0.050(1.27) 0.048(1.22) 0.045(1.14) | ±0.003 NCH ±0.08 mm | AT17-003-0200 | AT17-103-0200 | 28(111) |

CROSS REFERENCE

| SINE PART NUMBER | DEUTSCH PART NUMBER |
|------------------|---------------------|
| MX-3950 | DC116-02-00 |
| AT17-002-0200 | 1017-002-0200 |
| AT17-003-0200 | 1017-003-0200 |
| AT17-101-0200 | 1017-101-0200 |
| AT17-103-0200 | 1017-103-0200 |
| AT17-210-0200 | 1017-210-0200 |
| AT17-211-0200 | 1017-211-0200 |
| AT17-213-0200 | 1017-213-0200 |
| AT17-214-0200 | 1017-214-0200 |
| AT17-217-0200 | 1017-217-0200 |
| AT17-218-0200 | 1017-218-0200 |
| AT17-310-0200 | 1017-310-0200 |
| AT17-311-0200 | 1017-311-0200 |
| AT17-313-0200 | 1017-313-0200 |
| AT17-304-0200 | 1017-304-0200 |
| AT17-317-0200 | 1017-317-0200 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN INCHES(mm).
2. FORCES ARE IN POUNDS(LBS) AND NEWTONS(N).
3. "X"= PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING.
4. WIRE STRIP LENGTH: 0.175±0.029(4.45±0.74). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE.
5. USE A BLADE MICRO-METER (0.100(2.54) MIN SPACING AND 0.060(0.010(1.50)(0.040) ANVIL) TO MEASURE THE CONDUCTOR CRIMP. SEE SECTION AA.
6. 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.
7. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND ITS WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION RANGE.
8. INSULATION CRIMP DIAMETER SHOULD BE THE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFION INSULATION MAY BE AN EXCEPTION). INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAMAGE CONNECTOR GROMMET SEAL.
9. CONDUCTOR TYPE ARE PER SAE J1128(AWG) AND ISO 6722(METRIC)
10. FOR CONTACT MATERIAL AND PERFORMANCE DATA, SEE DRAWING SZ-15217.
11. REFER TO SZ-15223 AND SZ-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA.



ALL REFERENCES TO DEUTSCH PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO DEUTSCH INDUSTRIAL PRODUCTS.

| QUANTITY | PART NUMBER | MATERIALS LIST | DESCRIPTION | ITEM |
|---|-------------|----------------|-------------|------|
| UNLESS OTHERWISE SPECIFIED | | | | |
| 1) All dimensions are in inches. | | | | |
| 2) Plating is as shown. | | | | |
| 3) Plating is as shown. | | | | |
| 4) Plating is as shown. | | | | |
| 5) Reduction Standards Per: | | | | |
| a) MIL-S-20020 | | | | |
| b) MIL-S-20020 | | | | |
| c) MIL-S-20020 | | | | |
| d) MIL-S-20020 | | | | |
| APPROVAL SIGNATURES | | | | |
| DESIGNED BY: | ROTOR | DATE: | 4/7/09 | |
| CHECKED BY: | ROTOR | DATE: | 6/8/09 | |
| ENGINEER: | BERNIM | DATE: | 6/8/09 | |
| APPROVAL: | BERNIM | DATE: | 6/8/09 | |
| CUSTOMER: NA | | | | |
| PROCESS SPECIFICATIONS: | | | | |
| THE USE OF THIS DRAWING IS SPECIFIC TO THE PART AND PERFORMANCE DATA. ANY USE OF THIS DRAWING FOR OTHER PURPOSES IS AT THE USER'S RISK. ALL DIMENSIONS ARE SUBJECT TO REMOVAL OF MATERIAL. ALL DIMENSIONS REFERRED HEREON UNLESS OTHERWISE SPECIFIED ARE TO THE DIMENSION LINE. | | | | |
| SIZE: PITCH AND NUMBER: 10K44 | | | | |
| SCALE: NONE | | | | |
| S2-15222 | | | | |
| SHEET 1 OF 1 | | | | |

CRIMP DATA, STAMPED CONTACTS FOR CRIMPER MFX-3950

A Subsidiary of Amphenol Corporation
44724 Moley Drive
Clinton Township, MI 48036

| REVISIONS | | | DATE | BY | APP |
|-----------|------|-----|-----------------------|--------|--------|
| REV | ZONE | ECO | 6/12/09 | B.D.B. | M.F.F. |
| AT | - | - | RELEASE NUMBER 016971 | | |

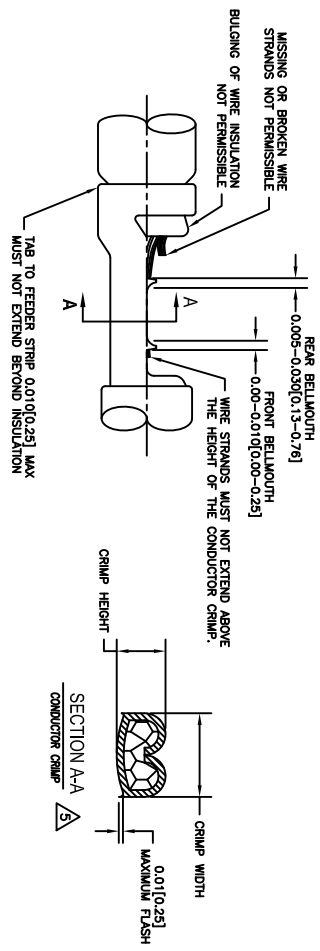
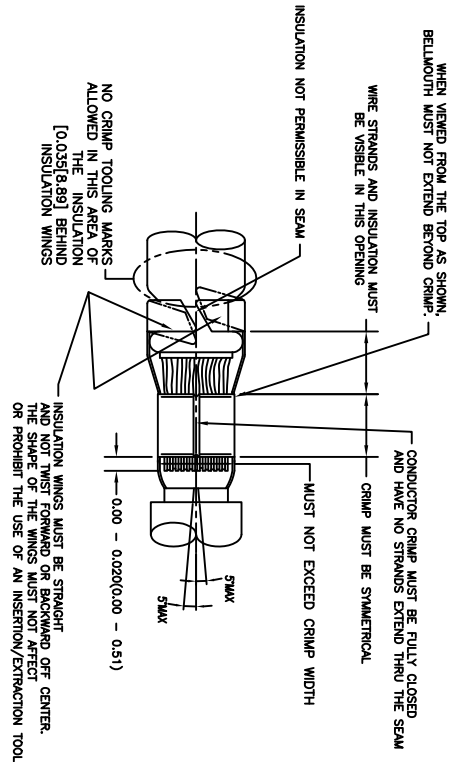
| STAMPED CONTACT PART NUMBER (1009=PIN 1009=SOCKET) | SIZE | CONDUCTOR WIRE SIZE | CRIMP HEIGHT (+0.001/-0.002 INCH / +0.025/-0.05 mm) | CRIMP WIDTH (±0.013 INCH / ±0.08 mm) | CONDUCTOR PUNCH NUMBER | CONDUCTOR ANVIL NUMBER | CRIMP TENSILE REFERENCE (LBS/IN) |
|---|------|---------------------|---|--------------------------------------|------------------------|------------------------|----------------------------------|
| A160-14-011x A162-14-011x INSULATION RANGE 0.095-0.150(2.41-3.81) | 16 | 14 AWG | 0.0591(1.40) | 0.094(2.39) | | | 29(111) |
| | | 2.00mm ² | 0.0591(1.40) | 0.094(2.39) | | | |
| | | 1.50mm ² | 0.0591(1.40) | 0.094(2.39) | | | |
| | | 16 AWG | 0.0501(1.27) | 0.084(2.39) | A117-4083-0200 | A117-183-0200 | |
| A160-16-011x A162-16-011x INSULATION RANGE 0.075-0.140(1.91-3.59) | 16 | 14 AWG | 0.0591(1.40) | 0.094(2.39) | | | 29(111) |
| | | 2.00mm ² | 0.0591(1.40) | 0.094(2.39) | | | |
| | | 1.50mm ² | 0.0591(1.40) | 0.094(2.39) | | | |
| | | 16 AWG | 0.0501(1.27) | 0.084(2.39) | A117-4083-0200 | A117-183-0200 | |
| A160-18-069x A162-18-069x INSULATION RANGE 0.055-0.100(1.40-2.54) | 16 | 16 AWG | 0.0501(1.27) | 0.079(2.01) | | | 29(111) |
| | | 1.00mm ² | 0.0491(1.24) | 0.079(2.01) | | | |
| | | 20 AWG | 0.0491(1.24) | 0.079(2.01) | | | |
| | | 0.50mm ² | 0.0491(1.24) | 0.079(2.01) | A117-4082-0200 | A117-182-0200 | |

CROSS REFERENCE

| INSULATION DIAMETER RANGE | INSULATION PUNCH NUMBER | INSULATION ANVIL NUMBER | SINE PART NUMBER | DEUTSCH PART NUMBER |
|---------------------------|-------------------------|-------------------------|------------------|---------------------|
| 0.120-0.150 [3.05-3.81] | A117-225-0200 | A117-326-0200 | MPX-3953 | DCT1620-02-00 |
| 0.105-0.125 [2.67-3.18] | A117-226-0200 | A117-326-0200 | A117-083-0200 | 1017-083-0200 |
| 0.085-0.111 [2.16-2.82] | A117-227-0200 | A117-327-0200 | A117-082-0200 | 1017-082-0200 |
| 0.075-0.105 [1.91-2.67] | A117-228-0200 | A117-328-0200 | A117-183-0200 | 1017-183-0200 |
| 0.063-0.094 [1.62-2.39] | A117-229-0200 | A117-329-0200 | A117-182-0200 | 1017-182-0200 |
| 0.050-0.075 [1.27-1.91] | A117-230-0200 | A117-330-0200 | A117-226-0200 | 1017-226-0200 |
| | | | A117-227-0200 | 1017-227-0200 |
| | | | A117-228-0200 | 1017-228-0200 |
| | | | A117-229-0200 | 1017-229-0200 |
| | | | A117-230-0200 | 1017-230-0200 |
| | | | A117-325-0200 | 1017-325-0200 |
| | | | A117-326-0200 | 1017-326-0200 |
| | | | A117-327-0200 | 1017-327-0200 |
| | | | A117-328-0200 | 1017-328-0200 |
| | | | A117-329-0200 | 1017-329-0200 |
| | | | A117-330-0200 | 1017-330-0200 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN INCHES(mm).
2. FORCES ARE IN POUNDS(LBS) AND NEWTONS(N).
3. "X"= PLATING SUFFIX. SEE INDIVIDUAL CONTACT DRAWING.
4. WIRE STRIP LENGTH: 0.175±0.02(4.43±0.54). BROKEN OR MISSING CONDUCTOR STRANDS ARE NOT ACCEPTABLE. USE A BLADE MICROMETER (0.100[2.54] MIN SPINDLE AND 0.060[0.010][1.50][0.040] ANVIL) TO MEASURE THE CONDUCTOR CRIMP. SEE SECTION AA.
5. CRIMP TENSILE STRENGTH IS DETERMINED AT A PULL RATE SPEED OF 1.00 INCH(2.54) 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.
6. INSULATION DIAMETER RANGE IS DETERMINED BY CONNECTOR AND ITS WIRE SEAL SIZE. SEE CONNECTOR DRAWING FOR INSULATION RANGE.
7. INSULATION CRIMP DIAMETER SHOULD BE THE EQUAL OR LESS THAN THE DIAMETER OF THE WIRE INSULATION (HARD OR TEFION INSULATION MAY BE AN EXCEPTION). INSULATION CRIMP SHALL NOT AFFECT REMOVAL TOOL PERFORMANCE AND SHALL NOT DAMAGE CONNECTOR GROMMET SEAL.
8. CONDUCTOR TYPE ARE PER SAE J1128(AWG) AND ISO 6122(METRIC)
9. FOR CONTACT MATERIAL AND PERFORMANCE DATA, SEE DRAWING S2-15217.
10. REFER TO S2-15223 AND S2-15224 AND CROSS REFERENCE CHARTS FOR CRIMP TOOL DATA.

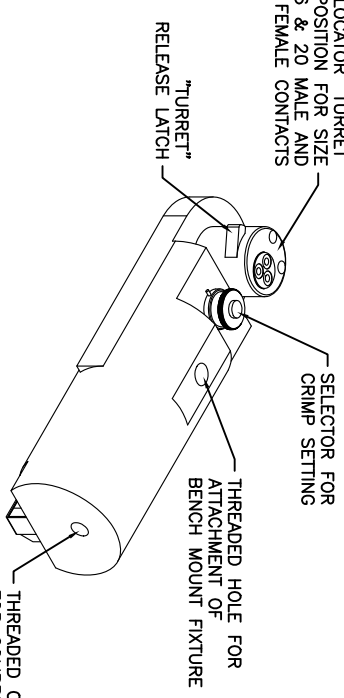
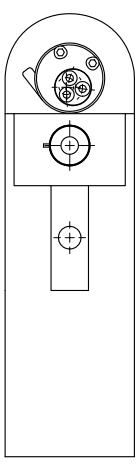


ALL REFERENCES TO DEUTSCH PRODUCTS OR SPECIFICATIONS ARE FOR COMPARISON PURPOSES ONLY, AND REFER TO DEUTSCH INDUSTRIAL PRODUCTS.

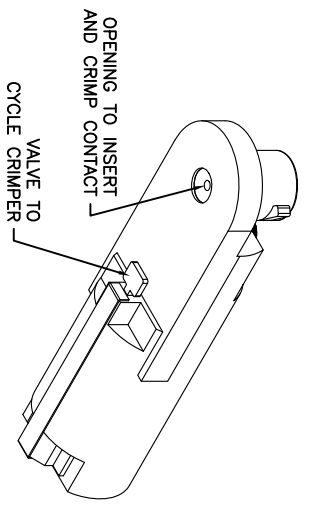
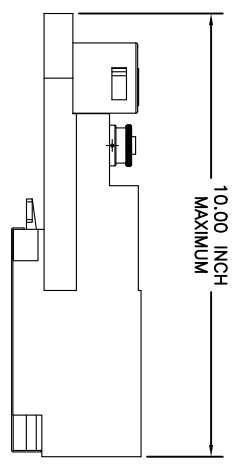
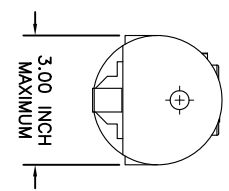
| | | | |
|---|--|-------------|--------|
| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
| MATERIALS LIST | | | |
| UNLESS OTHERWISE SPECIFIED | | | |
| 1) All dimensions are in inches. | SIGNATURES | DATE | |
| 2) All dimensions are in millimeters. | DATE | 4/7/09 | |
| 3) Plating thickness: 1.0 mil (25.4 microns) ±1/4 mil | ORDERED BY | 6/8/09 | |
| 4) Plating thickness: 1.0 mil (25.4 microns) ±1/4 mil | ENGINEER | BERNIM | |
| 5) Production Standards Per: S2-20020 | APPROVAL | BERNIM | 6/8/09 |
| 6) Material: S2-20020 | CUSTOMER | | |
| 7) Material specification: NA | | | |
| PROCESS SPECIFICATIONS: | THE USE OF THIS DRAWING & SPECIFICATIONS, AND PERFORMANCE DATA, IS THE PROPERTY OF AMPHENOL CORP. ALL DIMENSIONS ARE SUBJECT TO NORMAL DOCUMENTS RETAINED HEREON. ANY DOCUMENTS RETAINED HEREON MAY CONTAIN LIMITED RIGHTS DATA. | | |
| CRIMP DATA, STAMPED CONTACTS FOR CRIMPER MPX-3953 | SIZE (FSCAL NOT IN USE) | S2-15221 | A1 |
| | SCALE (NONE) | S2-15221 | A1 |
| | SHEET | 1 | 1 |

| REV ZONE | | ECO | REVISIONS | | DESCRIPTION | DATE | BY | APPR |
|----------|--|-----|----------------|--------|-------------|---------|--------|--------|
| AI | | | RELEASE NUMBER | 016571 | | 6/12/09 | B.D.B. | M.R.F. |

CONTACT LOCATOR "TURRET"
THREE POSITION FOR SIZE
12, 16 & 20 MALE AND
FEMALE CONTACTS

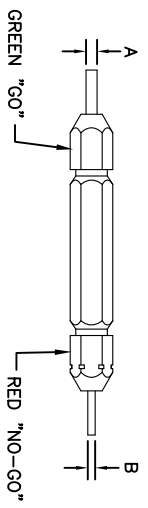


THREADED OPENING
FOR COMPRESSED
AIR FITTING



- NOTES:
1. THE CA-5E12 IS A COMPRESSED AIR OPERATED HAND CRIMPER FOR ELECTRICAL CONTACTS. IT IS ADJUSTABLE TO 3 CONTACT SIZES (12, 16 & 20) AND 8 INDENTER CRIMP POSITIONS FOR DIFFERENT WIRE SIZES (12AWG THRU 26 AWG).
 2. 80-120 PSI COMPRESSED AIR.
 3. WEIGHT: 3.1 LBS
 4. SELECTING CONTACT SIZE: PRESS THE RELEASE LATCH ON SIDE OF THE CONTACT LOCATOR "TURRET". ROTATE TO THE DESIRED CONTACT SIZE. THE TOP OF THE "TURRET" IS EMBOSSED WITH THE CONTACT SIZES.
 5. SELECTING WIRE SIZE: GRASP THE SELECTOR AND ROTATE TO THE DESIRED NUMBER.

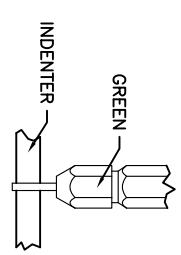
| GAGE PART NO. | A GO DIA. | B NO-GO DIA. | SELECTOR NUMBER |
|---------------|-----------|--------------|-----------------|
| G125 | .0390 | .0440 | 4 |



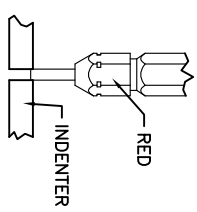
GAGING INSTRUCTIONS
CAUTION!
DO NOT CRIMP GAGE!

"GO" GAGING: OPERATE TOOL TO FULLY CLOSED POSITION. INSERT "GO" GAGE END AS SHOWN. GAGE MUST PASS FREELY BETWEEN INDENTER TIPS.

"NO-GO" GAGING: OPERATE TOOL TO FULLY CLOSED POSITION. INSERT "NO-GO" GAGE END AS SHOWN. THE "NO-GO" MAY PARTIALLY ENTER THE INDENTER OPENING, BUT MUST NOT PASS COMPLETELY THROUGH THE OPENING.



| SELECTOR NUMBER | A GO DIA. | B NO-GO DIA. |
|-----------------|-----------|--------------|
| 1 | .0280 | .0330 |
| 2 | .0320 | .0370 |
| 3 | .0360 | .0410 |
| 4 | .0390 | .0440 |
| 5 | .0450 | .0500 |
| 6 | .0520 | .0570 |
| 7 | .0590 | .0640 |
| 8 | .0880 | .0730 |



| CONTACT SIZE | LOCATOR "TURRET" POSITION COLOR | 26 AWG WIRE | 24 AWG WIRE | 22 AWG WIRE | 20 AWG WIRE | 18 AWG WIRE | 16 AWG WIRE | 14 AWG WIRE | 12 AWG WIRE |
|--------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 20-20 | RED | 1 | 2 | 3 | 4 | | | | |
| 16-22 | BLUE | 4 | 5 | 6 | | | | | |
| 16-20 | BLUE | 1 | 2 | 3 | 4 | | | | |
| 16-16 | BLUE | | | | 4 | 5 | 6 | | |
| 12-16 | YELLOW | | | | 4 | 5 | 6 | | |
| 12-12 | YELLOW | | | | | | | 7 | 8 |

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|----------|-------------|----------------|------|
| | | MATERIALS LIST | |

UNLESS OTHERWISE SPECIFIED

- 1) All dimensions are in inches.
- 2) Pl. DEC 2000 1 Position 31/14
- 3) Pl. DEC 2000 1 Position 31/14
- 4) Pl. DEC 2000 1 Position 31/14
- 5) Revision Standard Per: A
- 6) Rev. SS-20020

APPROVAL: **BERNIM** 6/3/09

CUSTOMER: _____

PROCESS SPECIFICATIONS: **NA**

THE USE OF THIS DRAWING & SPECIFICATIONS, AND PERFORMANCE THEREOF, IS HEREBY ACCEPTED BY THE PURCHASER AND IN FULL AGREEMENT TO THE TERMS AND CONDITIONS OF THE PURCHASE ORDER. ALL DIMENSIONS REFERENCED HEREON SHALL CONFORM TO THE DRAWING UNLESS OTHERWISE SPECIFIED.

SIZE: **10K44** SCALE: **NONE** **S2-15220** SHEET: **1** OF: **1**

INSTRUCTIONS FOR CA-5E12 CRIMPER, PNEUMATIC

| REV ZONE | | ECO | | REVISIONS | | DESCRIPTION | DATE | BY | APPR |
|----------|---|-----|---|----------------|--------|-------------|---------|--------|--------|
| AI | - | - | - | RELEASE NUMBER | 016571 | | 6/12/09 | B.D.B. | M.R.F. |

CONTACT LOCATOR
"TURRET"
THREE POSITIONS FOR
SIZE 12, 16 & 20 MALE
AND FEMALE CONTACTS

"TURRET" RELEASE LATCH

6.25 INCH
MAXIMUM
OPEN

2.30 INCH
MAXIMUM
CLOSED

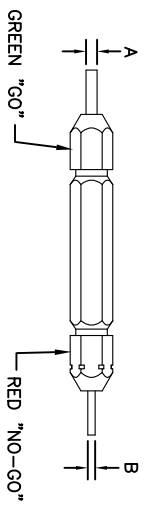
SELECTOR FOR CRIMP
SETTING

1.125 INCH MAX.

9.75 INCH MAXIMUM

1.00 INCH MAX.

| GAGE PART NO. | A GO DIA. | B NO-GO DIA. | SELECTOR NUMBER |
|---------------|-----------|--------------|-----------------|
| G125 | .0390 | .0440 | 4 |

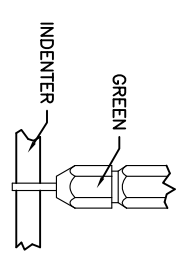


GAGING INSTRUCTIONS

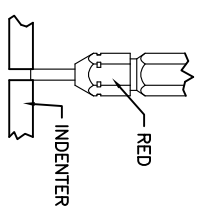
CAUTION!
DO NOT CRIMP GAGE!

"GO" GAGING: OPERATE TOOL TO FULLY CLOSED POSITION. INSERT "GO" GAGE END AS SHOWN. GAGE MUST PASS FREELY BETWEEN INDENTER TIPS.

"NO-GO" GAGING: OPERATE TOOL TO FULLY CLOSED POSITION. INSERT "NO-GO" GAGE END AS SHOWN. THE "NO-GO" MAY PARTIALLY ENTER THE INDENTER OPENING, BUT MUST NOT PASS COMPLETELY THROUGH THE OPENING.



| SELECTOR NUMBER | A GO DIA. | B NO-GO DIA. |
|-----------------|-----------|--------------|
| 1 | .0280 | .0330 |
| 2 | .0320 | .0370 |
| 3 | .0360 | .0410 |
| 4 | .0390 | .0440 |
| 5 | .0450 | .0500 |
| 6 | .0520 | .0570 |
| 7 | .0590 | .0640 |
| 8 | .0880 | .0730 |



- NOTES:
- THE CA-5D12 IS A HAND OPERATED CRIMPER FOR ELECTRICAL CONTACTS. IT IS ADJUSTABLE TO 3 CONTACT SIZES (12, 16 & 20) AND 8 INDENTER CRIMP POSITIONS FOR DIFFERENT WIRE SIZES (12AWG THRU 26 AWG).
 - WEIGHT: 1.64 LBS
 - SELECTING CONTACT SIZE: PRESS THE RELEASE LATCH ON SIDE OF THE CONTACT LOCATOR "TURRET". ROTATE TO THE DESIRED CONTACT SIZE. THE TOP OF THE "TURRET" IS EMBOSSED WITH THE CONTACT SIZES.
 - SELECTING WIRE SIZE: REMOVE THE LOCKING CLIP. GRASP THE SELECTOR AND ROTATE TO THE DESIRED NUMBER.

| CONTACT SIZE | LOCATOR "TURRET" POSITION | WIRE COLOR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------|---------------------------|------------|---|---|---|---|---|---|---|---|
| 20-20 | RED | 1 | 2 | 3 | 4 | | | | | |
| 16-22 | BLUE | 4 | 5 | 6 | | | | | | |
| 16-20 | BLUE | 1 | 2 | 3 | 4 | | | | | |
| 16-16 | BLUE | 4 | 5 | 6 | | | | | | |
| 12-16 | YELLOW | 4 | 5 | 6 | | | | | | |
| 12-12 | YELLOW | | | | | | | | | 8 |

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|----------|-------------|-------------|------|
| | | | |

| MATERIALS LIST | | DESCRIPTION | |
|---------------------------------------|------------|-------------|--|
| UNLESS OTHERWISE SPECIFIED | SIGNATURES | DATE | |
| 1) All dimensions are in inches. | DATE: | 6/3/09 | |
| 2) Pl. SEC. 34.00 1 Position 3.1/4" | ORDERED: | 6/3/09 | |
| 3) Pl. SEC. 34.00 1 Position 3.1/4" | ENGINEER: | BERNIM | |
| 4) Pl. SEC. 34.00 1 Position 3.1/4" | APPROVAL: | 6/3/09 | |
| 5) Pl. SEC. 34.00 1 Position 3.1/4" | CUSTOMER: | | |
| 6) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
| 7) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
| 8) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
| 9) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
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| 16) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
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| 18) Pl. SEC. 34.00 1 Position 3.1/4" | | | |
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| 100) Pl. SEC. 34.00 1 Position 3.1/4" | | | |

INSTRUCTIONS FOR CA-5D12
CRIMPER, HAND, MACHINED CONTACTS

SIZE: 10K44
SCALE: NONE
S2-15219
SHEET: 1 OF 1

| REVOLUTIONS | | DESCRIPTION | DATE | BY | APPR |
|-------------|------|-------------|-----------------------|--------|--------|
| REV | ZONE | ECO | 6/12/08 | B.D.B. | M.R.F. |
| AT | - | - | RELEASE NUMBER 016871 | | |

| SOLID CONTACT SIZE | SOLID CONTACT PART NUMBERS | | WIRE SIZE AVG (mm ²) | RECOMMENDED STRIP LENGTH INCH (mm) | MIN CONTACT RETENTION LBS (N) | REF CRIMP TENSILE LBS (N) | MAX RATED AMPS @ 125°C CONTINUOUS |
|--------------------|----------------------------|---------------|----------------------------------|------------------------------------|-------------------------------|---------------------------|-----------------------------------|
| | PIN | SOCKET | | | | | |
| 16 | AT60-202-16** | AT62-201-16** | 16-20 [1.5-0.5] | 0.25-0.31 [6.35-7.92] | 25 [1111] | 35-20 [156-89] | 13 |

| S&P CONTACT SIZE | STAMPED CONTACT PART NUMBERS | | WIRE SIZE AVG (mm ²) | WIRE INSULATION O.D. RANGE | RECOMMENDED STRIP LENGTH INCH (mm) | MIN CONTACT RETENTION LBS (N) | REF CRIMP TENSILE LBS (N) | MAX RATED AMPS @ 125°C CONTINUOUS |
|------------------|------------------------------|--------------|----------------------------------|----------------------------|------------------------------------|-------------------------------|---------------------------|-----------------------------------|
| | PIN | SOCKET | | | | | | |
| 16 | AT60-14-01** | AT62-14-01** | 14-16 [2.0-1.0] | .100 - .150 [2.54 - 3.81] | 0.150-0.200 [3.81-5.08] | 25 [1111] | 25 [1111] | 13 |
| 16 | AT60-16-01** | AT62-16-01** | 16-18 [1.0-0.75] | .075 - .100 [1.90 - 2.54] | 0.150-0.200 [3.81-5.08] | 25 [1111] | 25 [1111] | 13 |
| 16 | AT60-16-06** | AT62-16-06** | 18-20 [0.75-0.50] | .055 - .095 [1.40 - 2.41] | 0.150-0.200 [3.81-5.08] | 25 [1111] | 25-15 [111+67] | 13 |

| CONTACT RESISTANCE STRENGTH (LESS DROP THROUGH WIRE) | | | |
|--|--------------|----------------------|--------------------|
| WIRE AWG | TEST CURRENT | MILLIVOLT DROP SOLID | MILLIVOLT DROP S&P |
| 14 | 18 | 60 | 100 |
| 16 | 13 | 60 | 100 |
| 18 | 10 | 60 | 100 |
| 20 | 7.5 | 60 | 100 |

| MATERIAL SPECIFICATION AND PLATING ** CODES | |
|---|--|
| PIN: COPPER ALLOY | SOCKET: COPPER ALLOY WITH STAINLESS STEEL SLEEVE |
| SOLID MACHINED CONTACT PLATING OPTIONS: Δ 31= GOLD* 141= NICKEL | |
| STAMPED CONTACT PLATING OPTIONS: Δ 22= NICKEL 44= GOLD* 89= SELECTIVE GOLD* | |
| GOLD* PLATING IS AVAILABLE (RECOMMENDED) FOR ONLY (<5V) CIRCUIT APPLICATIONS MATERIALS AND PLATINGS ARE ROHS COMPLIANT | |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE INCHES(MM).
2. ALL FORCES ARE IN LBS(POUNDS) AND "N" (NEWTONS).
3. CONTACT RETENTION TEST PULL RATE SHALL BE 1.0 INCH/25.4 PER MINUTE MAXIMUM. WIRE SIZE WILL AFFECT THE TRUE STRENGTH OF THE CRIMP.
4. WIRE SIZES AND INSULATION RANGES ARE FOR REFERENCE ONLY. THE ACTUAL INSULATION RANGE DEPENDS ON CONNECTOR GROMMET SEALING SIZE.

SEE SPECIFICATIONS LISTED BELOW FOR INDIVIDUAL CRIMP INFORMATION:

| "SOLID" CONTACTS | SIZE | "STAMPED" CONTACTS | SIZE |
|------------------|----------|--------------------|-------|
| | S2-15218 | S2-15222 | 16 |
| | | S2-15221 | 16/20 |

1. MAXIMUM RATED CURRENT IN CHART DEPENDS ON CONTACT SIZE. ACTUAL RATED CURRENT DEPENDS ON WIRE SIZE.
2. CONTACT FACTORY FOR ALL AVAILABLE PLATING ON SPECIFIC CONTACTS.
3. AMPHENOL SINE PERFORMANCE SPECIFICATIONS REQUIRE THE USE OF AMPHENOL SINE APPROVED TOOLING.

| | | | | |
|---------------------------------------|--|----------------|--------|--------|
| PART NUMBER | | DESCRIPTION | | ITEM |
| QUANTITY | | MATERIALS LIST | | |
| UNLESS OTHERWISE SPECIFIED | | SIGNATURES | | DATE |
| 1) All dimensions are in inches. | | DATE: | 4/5/09 | |
| 2) All dimensions are in millimeters. | | ORDERED BY: | ROTOR | |
| 3) Pl. DEC 2000 | | ORDERED: | ROTOR | 6/3/09 |
| 4) Pl. DEC 2000 | | ENGINEER: | BERNIM | |
| 5) Fabrication Standards Per: | | APPROVAL: | BERNIM | 6/3/09 |
| 6) Pl. DEC 2000 | | CUSTOMER: | | |
| 7) Pl. DEC 2000 | | APPROVAL: | | |
| 8) Pl. DEC 2000 | | DATE: | 6/3/09 | |
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.