| REV | DESCRIPTION | BY DATE | APPD |
|---|---|---|---|
| K | ER044303 | VBH MAR 10/15/12 | |

## NOTES:

1. REF - WIRE STRIP LENGTH TO BE .187/4.75.
2. CRIMP CONTACTS AVAILABLE ON REELS (2000/REEL). SEE CHART FOR REEL PART Nº.
3. CATALOG NUMBER CODE:

## 100 SERIES CODE ORDER CHART

100 - ***** ◪ △

SERIES CODE

CONTACT DESIGNATION

| SEE CHARTS | SHT. Nº |
|---|---|
| 2 PIECE PIN & SOCKET | 2 |
| 3 PIECE PIN & SOCKET | 3 |
| MILITARY PIN & SOCKET | 4 |
| DIP SOLDER & WIRE WRAP | 5 |

CONTACT PLATING

(OMIT FOR STANDARD)

OTHER FINISHES AVAILABLE UPON REQUEST, CONSULT SALES DEPARTMENT

CONTACT TYPE

P = PIN
PK = PIN
S = SOCKET

## SPECIFICATIONS

### MATERIALS & FINISHES

(1) Socket Contact — Material: Copper Alloy
Finish: Standard= 8*"/0.2*m Min Gold Over Nickel
Military= 50*"/1.25*m Min Gold Over Nickel

(2) Pin Contact — Material: Copper Alloy
Finish: Standard= 8*"/0.2*m Min Gold Over Nickel
Military= 50*"/1.25*m Min Gold Over Nickel

(3) Retainer Clip — Material: Standard= Beryllium Copper Alloy
Finish: Gold Plated

(4) Contact Spring — Material: Beryllium Copper Alloy
Finish: Standard= Nickel Plated
Military= Gold Plated

(5) Contact Spring — Material: Beryllium Copper Alloy
Finish: Gold Plated

### PERFORMANCE CHARACTERISTICS

Conforms to — MIL-C-39029

Current rating — 7.5 amps. max. for Ø.040/1.02 per individual contact
13 amps. max. for Ø.0625/1.587 per individual contact

### ACCESSORY TOOLS

| DESCRIPTION | CATALOG Nº | LOCATORS/POSITIONERS | CRIMP DEPTH BLOCK | SPANNER WRENCH |
|---|---|---|---|---|
| INSERTION TOOL | 107-1015 | ——— | ——— | ——— |
| REMOVAL TOOL | 107R-1001 | | | |
| REMOVAL TOOL | 107-1005 | | | |
| NON-ADJUSTABLE HAND CRIMP MS-3191-2 | 107-0970 | 107-0981 (#14)<br>107-0977 (#16,#18)<br>107-0976 (#20,#22,#24,#26) | | |
| HAND CRIMP | 107-0903-2A | 107-0945 | | 107-1102 |
| PNEUMATIC AUTOMATIC CRIMP | 107-0961 | | 107-0965-#20<br>107-0966-#16 | ——— |
| NON-ADJUSTABLE MINIATURE HAND CRIMP | 107-43300 | 107-43304<br>107-0993 (#20,#22,#24,#26) | ——— | |
| ADJUSTABLE MINIATURE HAND CRIMP | 107-0625 | 107-0628 | | |
| CONTACT PIN STRAIGHTENER | 107-1024 | ——— | | |
| GAGE PLUG | 5431 | | | |

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02 .XXX ±.010
ANGLES ±
SCALE: 5:1

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Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

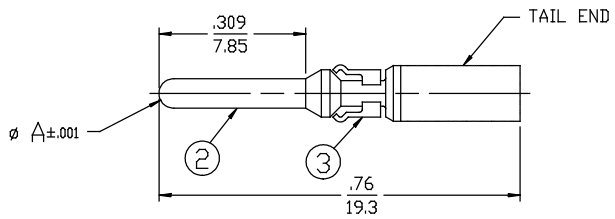
TITLE: MRAC REMOVABLE PIN & SOCKET CONTACTS

| DRAWN | DATE | CHECKED | DATE |
|---|---|---|---|
| K.D.B. | 03/28/96 | W.P.M. | 03/29/96 |
| APPROVED | DATE | APPROVED | DATE |
| V.B.H. | 03/28/96 | R.D.R. | 03/29/96 |

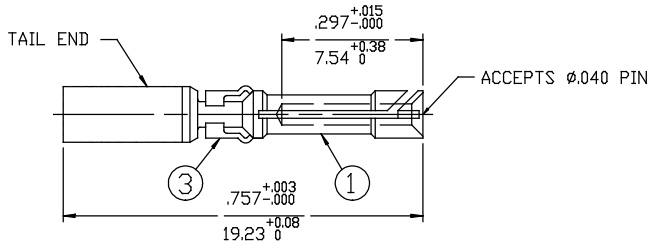
C | 22891 | SHT. 1 OF 5 | REV. K

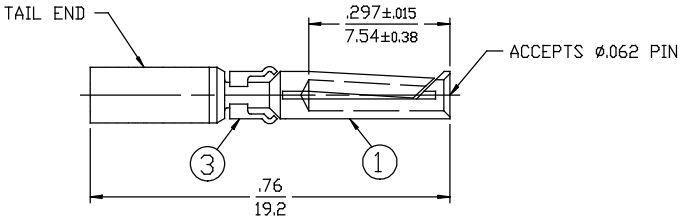
REFORMATTED BY FEH 01/05/98

| REV | DESCRIPTION | BY DATE | APPD |
|---|---|---|---|
| K | ER044303 | MAR 10/19/12 | VBH |



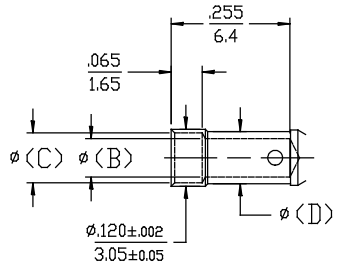

PIN



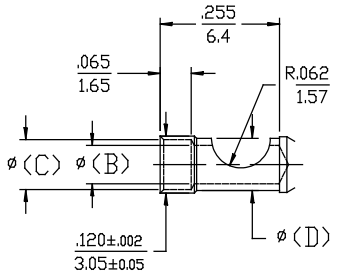




2 PIECE SOCKETS

## TAIL OPTIONS




CRIMP




SOLDER

| PIN ø A =.0625/1.587 | | | | PIN ø A =.040/1.02 | | | | WIRE SIZE | B | C | D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CRIMP CAT. Nº | | SOLDER CAT. Nº | | CRIMP CAT. Nº | | SOLDER CAT. Nº | | | | | |
| CONTACT | REEL [2] | CONTACT | REEL | CONTACT | REEL [2] | CONTACT | REEL | | | | |
| 100-1026P-△ | 100-0963P-△ | —— | | —— | —— | —— | | 26-28-30 | .024/0.61 | .050/1.27 | .077/1.95 |
| 100-1024P-△ | 100-0917P-△ | 100-2524P-△ | | 100-2024P-△ | 100-0951P-△ | 100-2624P-△ | | 24-26-28 | .027/0.68 | .055/1.40 | .077/1.95 |
| 100-1022P-△ | 100-0907P-△ | 100-2522P-△ | | 100-2022P-△ | 100-0947P-△ | 100-2622P-△ | | 22-24-26 | .033/0.84 | .055/1.40 | .077/1.95 |
| 100-1020P-△ | 100-0915P-△ | 100-2520P-△ | | 100-2020P-△ | 100-0945P-△ | 100-2620P-△ | | 20-22-24 | .046/1.17 | .069/1.75 | .077/1.95 |
| 100-1018P-△ | 100-0913P-△ | 100-2518P-△ | | 100-2018P-△ | 100-0943P-△ | 100-2618P-△ | | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 |
| 100-1016P-△ | 100-0911P-△ | 100-2516P-△ | | 100-2016P-△ | 100-0949P-△ | 100-2616P-△ | | 16-18-20 | .068/1.73 | .094/2.39 | .110/2.79 |
| 100-1014P-△ | 100-0909P-△ | 100-2514P-△ | | | | | | 14-16-18 | .081/2.06 | .105/2.67 | .110/2.79 |
| 100-1012P-△ | 100-0903P-△ | —— | —— | —— | —— | —— | —— | 12-14 | .098/2.49 | —— | .120/3.05 |
| 100-1026S-△ | 100-0965S-△ | —— | | | | | | 26-28-30 | .024/0.61 | .050/1.27 | .077/1.95 |
| 100-1024S-△ | 100-0927S-△ | 100-2524S-△ | | 100-2024S-△ | 100-0941S-△ | 100-2624S-△ | | 24-26-28 | .027/0.68 | .055/1.40 | .077/1.95 |
| 100-1022S-△ | 100-0908S-△ | 100-2522S-△ | | 100-2022S-△ | 100-0937S-△ | 100-2622S-△ | | 22-24-26 | .033/0.84 | .055/1.40 | .077/1.95 |
| 100-1020S-△ | 100-0925S-△ | 100-2520S-△ | | 100-2020S-△ | 100-0935S-△ | 100-2620S-△ | | 20-22-24 | .046/1.17 | .069/1.75 | .077/1.95 |
| 100-1018S-△ | 100-0923S-△ | 100-2518S-△ | | 100-2018S-△ | 100-0933S-△ | 100-2618S-△ | | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 |
| 100-1016S-△ | 100-0921S-△ | 100-2516S-△ | | 100-2016S-△ | 100-0939S-△ | 100-2616S-△ | | 16-18-20 | .068/1.73 | .094/2.39 | .110/2.79 |
| 100-1014S-△ | 100-0919S-△ | 100-2514S-△ | | —— | —— | —— | | 14-16-18 | .081/2.06 | .105/2.67 | .110/2.79 |

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02 .XXX ±.010
ANGLES ± SCALE: 5:1

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CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

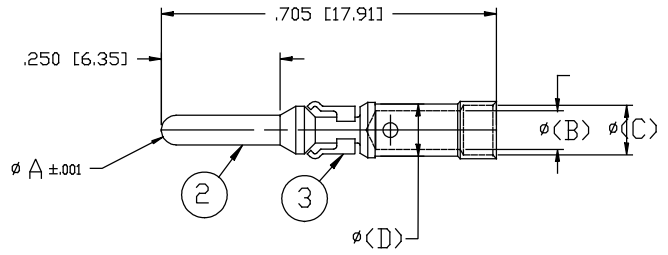
| DRAWN | DATE | CHECKED | DATE |
|---|---|---|---|
| Donna | 05/18/94 | J.M.G. | 08/18/94 |
| APPROVED | DATE | APPROVED | DATE |
| V.B.H. | 08/18/94 | D.R. | 08/19/94 |

C | 22891 | SHT. 2 OF 5 | REV. K

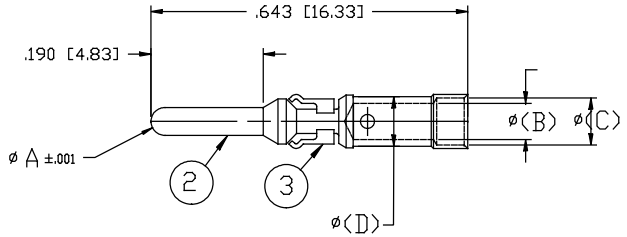
REFORMATTED BY FEH 01/05/98

| REV | DESCRIPTION | BY DATE | APPD |
|---|---|---|---|
| K | ER044303 | MAR 10/05/12 | V.B.H. |

PIN

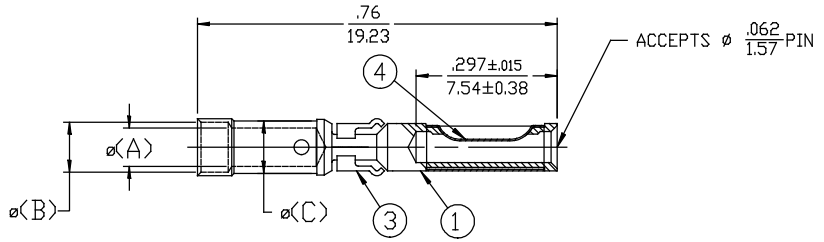



| PIN ø A =.0625/1.587 | | PIN ø A =.040/1.02 | | WIRE SIZE | B | C | D |
|---|---|---|---|---|---|---|---|
| CONTACT | REEL | CONTACT | REEL | | | | |
| 100-1024PK-△ | 100-0976PK-△ | 100-2024PK-△ | 100-0990PK-△ | 24-26-28 | .027/0.68 | .055/1.40 | .077/1.95 |
| 100-1022PK-△ | 100-0975PK-△ | 100-2022PK-△ | 100-0980PK-△ | 22-24-26 | .033/0.84 | | |
| 100-1020PK-△ | 100-0974PK-△ | 100-2020PK-△ | 100-0998PK-△ | 20-22-24 | .046/1.17 | .069/1.75 | |
| 100-1018PK-△ | 100-0973PK-△ | 100-2018PK-△ | 100-0989PK-△ | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 |
| 100-1016PK-△ | 100-0972PK-△ | 100-2016PK-△ | 100-0988PK-△ | 16-18-20 | .068/1.73 | .094/2.39 | .110/2.79 |
| 100-1014PK-△ | 100-0971PK-△ | ——— | ——— | 14-16-18 | .081/2.06 | .105/2.67 | |

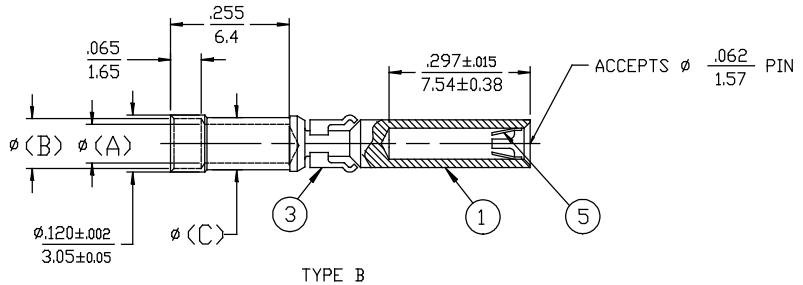



| PIN ø A =.0625/1.587 | | WIRE SIZE | B | C | D |
|---|---|---|---|---|---|
| CONTACT | REEL | | | | |
| 100-1024PK-△-5585 | ——— | 24-26-28 | .027/.068 | .055/1.40 | .077/1.95 |
| 100-1022PK-△-5585 | ——— | 22-24-26 | .033/0.84 | | |
| 100-1020PK-△-5585 | ——— | 20-22-24 | .046/1.17 | .069/1.75 | |
| 100-1018PK-△-5585 | ——— | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 |
| 100-1016PK-△-5585 | ——— | 16-18-20 | .068/1.73 | .094/2.39 | .110/2.79 |
| 100-1014PK-△-5585 | ——— | 14-16-18 | .081/2.06 | .105/2.67 | |

3 PIECE SOCKET




TYPE A




TYPE B

| CATALOG Nº | REEL CAT. Nº | WIRE SIZE | A | B | C | TYPE |
|---|---|---|---|---|---|---|
| 100-51014S-△ | 100-0981S-△ | 14-16-18 | .081/2.06 | .105/2.67 | .110/2.79 | A |
| 100-51016S-△ | 100-0982S-△ | 16-18-20 | .067/1.70 | .094/2.39 | | |
| 100-51018S-△ | 100-0983S-△ | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 | |
| 100-51020S-△ | 100-0984S-△ | 20-22-24 | .045/1.14 | .067/1.70 | .077/1.95 | |
| 100-51022S-△ | 100-0985S-△ | 22-24-26 | .033/0.84 | .055/1.40 | | |
| 100-51024S-△ | 100-0986S-△ | 24-26-28 | .027/0.68 | | | |
| 100-51026S-△ | 100-0987S-△ | 26-28-30 | .024/0.61 | .050/1.27 | | |
| 100-61014S-△ | 100-8024S-△ | 14-16-18 | .081/2.06 | .105/2.67 | .110/2.79 | B |
| 100-61016S-△ | 100-8025S-△ | 16-18-20 | .067/1.70 | .094/2.39 | | |
| 100-61018S-△ | 100-8026S-△ | 18-20-22 | .052/1.32 | .078/1.98 | .096/2.44 | |
| 100-61020S-△ | 100-8027S-△ | 20-22-24 | .045/1.14 | .067/1.70 | .077/1.95 | |
| 100-61022S-△ | 100-8028S-△ | 22-24-26 | .033/0.84 | .055/1.40 | | |
| 100-61024S-△ | 100-8029S-△ | 24-26-28 | .027/0.68 | | | |
| 100-61026S-△ | 100-8030S-△ | 26-28-30 | .024/0.61 | .050/1.27 | | |

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02
.XXX ±.010
ANGLES ± SCALE: 5:1

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Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

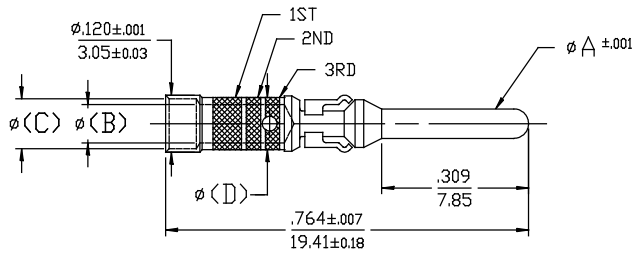
| DRAWN | DATE | CHECKED | DATE |
|---|---|---|---|
| K.D.B. | 03/28/96 | W.P.M. | 03/29/96 |
| APPROVED | DATE | APPROVED | DATE |
| V.B.H. | 03/28/96 | R.D.R. | 03/29/96 |

C | 22891 | SHT. 3 OF 5 | REV. K

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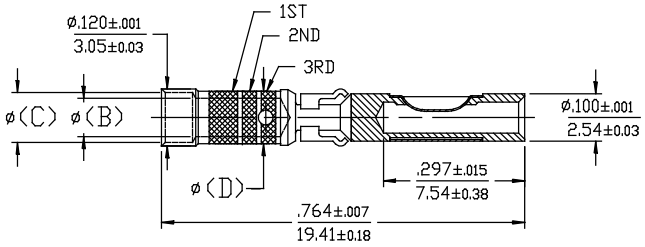
# MILITARY PIN & SOCKET ASSEMBLIES

| REV | DESCRIPTION | BY DATE | APPD |
|---|---|---|---|
| K | ER044303 | MAR 10/19/12 | VBH |

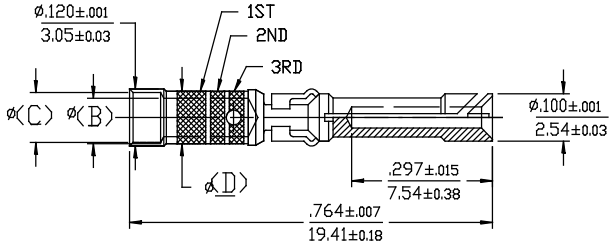



## PIN CONTACTS

| PARTS LIST | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MILITARY CONTACT CAT. Nº | W.E.D. CONTACT CAT. Nº | REEL CAT. Nº | COLOR BANDS 1ST | COLOR BANDS 2ND | COLOR BANDS 3RD | WIRE SIZE | PIN ø A | B | C | D | USED IN CONNECTOR SERIES |
| M39029/34-271 | 100R-2020P95 | 100R-0945P95 | RED | VIOLET | BROWN | 20-22-24 | .040/1.02 | .046/1.17 | .069/1.75 | .077/1.95 | M28748 |
| M39029/34-272 | 100R-1020P95 | 100R-0915P95 | | | RED | 20-22-24 | .0625/1.587 | | | | |
| M39029/34-273 | 100B-1016P95 | 100B-0911P95 | | | ORANGE | 16-18-20 | | .068/1.73 | .094/2.39 | .110/2.79 | |




CATALOG Nº'S M39029/35-275 & -276 SHOWN




CATALOG Nº M39029/35-274 SHOWN

## SOCKET CONTACTS

| PARTS LIST | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MILITARY CONTACT CAT. Nº | W.E.D. CONTACT CAT. Nº | REEL CAT. Nº | COLOR BANDS 1ST | COLOR BANDS 2ND | COLOR BANDS 3RD | WIRE SIZE | MATING PIN ø | B | C | D | USED IN CONNECTOR SERIES |
| M39029/35-274 | 100R-2020S95 | 100R-0979S95 | RED | VIOLET | YELLOW | 20-22-24 | .040/1.02 | .046/1.17 | .069/1.75 | .077/1.95 | M28748 |
| M39029/35-275 | 100R-51020S95 | 100R-0984S95 | | | GREEN | 20-22-24 | .0625/1.587 | | | | |
| M39029/35-276 | 100B-51016S95 | 100B-0982S95 | | | BLUE | 16-18-20 | | .068/1.73 | .094/2.39 | .110/2.79 | |

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02 .XXX ±.010
ANGLES ± X° SCALE: 5:1

WINCHESTER ELECTRONICS

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CUSTOMER DRAWING

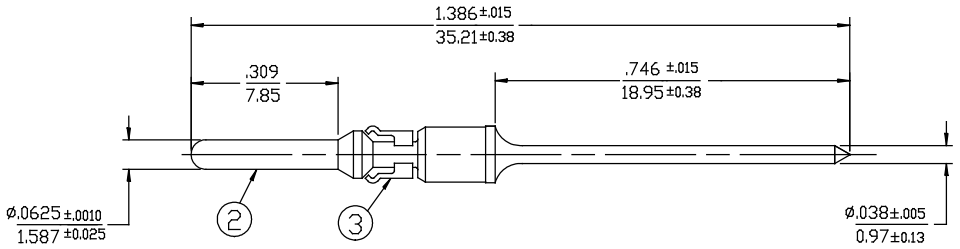
TITLE: MRAC REMOVABLE PIN & SOCKET CONTACTS

| DRAWN | DATE | CHECKED | DATE |
|---|---|---|---|
| K.D.B. | 03/28/96 | W.P.M. | 03/29/96 |
| APPROVED | DATE | APPROVED | DATE |
| V.B.H. | 03/28/96 | R.D.R. | 03/29/96 |

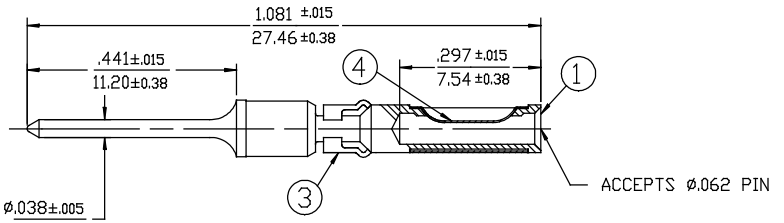
C | 22891 | SHT. 4 OF 5 | REV. K

REFORMATTED BY FEH 01/05/98

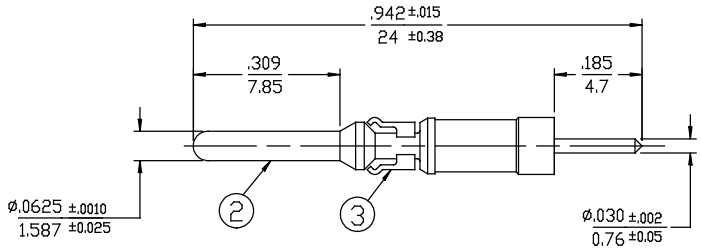
| REV | DESCRIPTION | BY DATE | APP'D |
|---|---|---|---|
| K | ER044303 | MAR 10/19/12 | VBH |



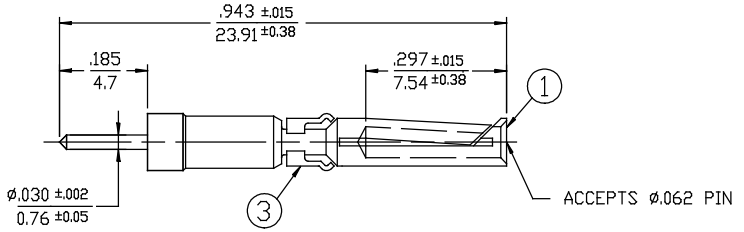

CATALOG Nº 7130-△ SHOWN




CATALOG Nº 7131-△ SHOWN

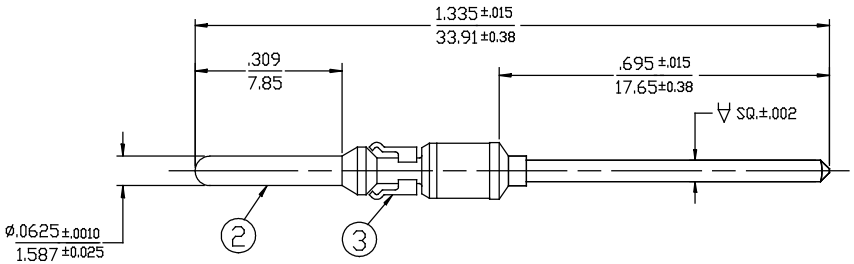



CATALOG Nº 8124-△ SHOWN



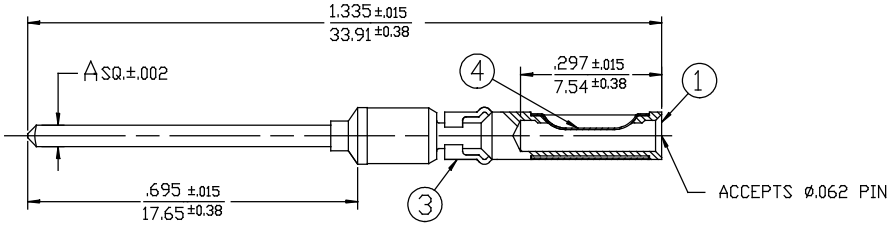

CATALOG Nº 8125-△ SHOWN

DIP SOLDER CONTACTS




CATALOG Nº'S 8106-△ AND 8114-△ SHOWN

| CAT. Nº | A |
|---|---|
| 8106-△ | .045/1.43 SQ. |
| 8114-△ | .025/0.64 SQ. |




CATALOG Nº'S 8105-△ AND 8113-△ SHOWN

| CAT. Nº | A |
|---|---|
| 8105-△ | .045/1.43 SQ. |
| 8113-△ | .025/0.64 SQ. |

WIRE WRAP CONTACTS

PER ANSI Y14.5M-1982
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. OR INCHES / MM
MM
TOLERANCES
DECIMALS .XX ±.02
.XXX ±.010
ANGLES ± SCALE: 5:1

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Winchester Electronics Corporation
62 Barnes Industrial Road North
Wallingford, Connecticut 06492

CUSTOMER DRAWING

TITLE
MRAC REMOVABLE
PIN & SOCKET CONTACTS

| DRAWN | DATE | CHECKED | DATE |
|---|---|---|---|
| K.D.B. | 03/28/96 | W.P.M. | 03/29/96 |
| APPROVED | DATE | APPROVED | DATE |
| V.B.H. | 03/28/96 | R.D.R. | 03/29/96 |

| C | 22891 | SHT. 5 OF 5 | REV. K |
|---|---|---|---|

REFORMATTED BY FEH 01/05/98