

|             |                              |
|-------------|------------------------------|
| MASS<br>(g) | VOLUME<br>(mm <sup>3</sup> ) |
| 14.6        | 2584                         |

NOTES:

1 > RED DOT.

MATERIAL:

OUTER SHELL & BACK NUT :  
LATCHING SLEEVE :  
HALF BUSHES : } BRASS

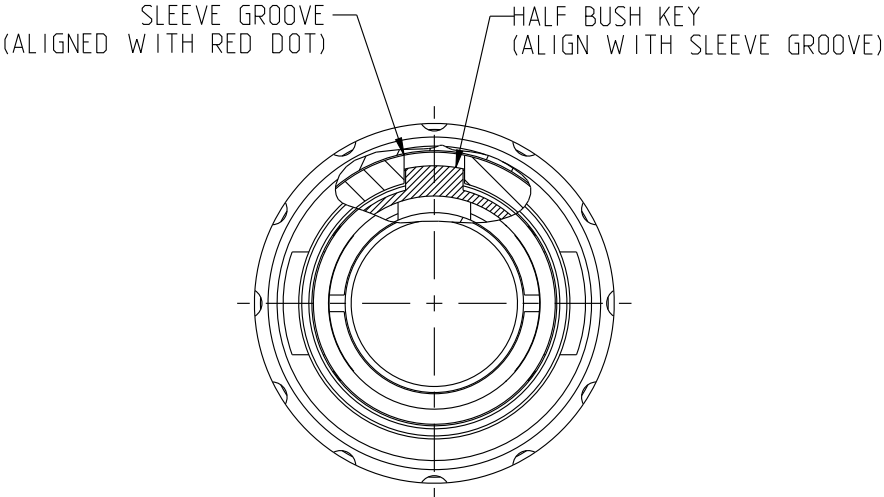
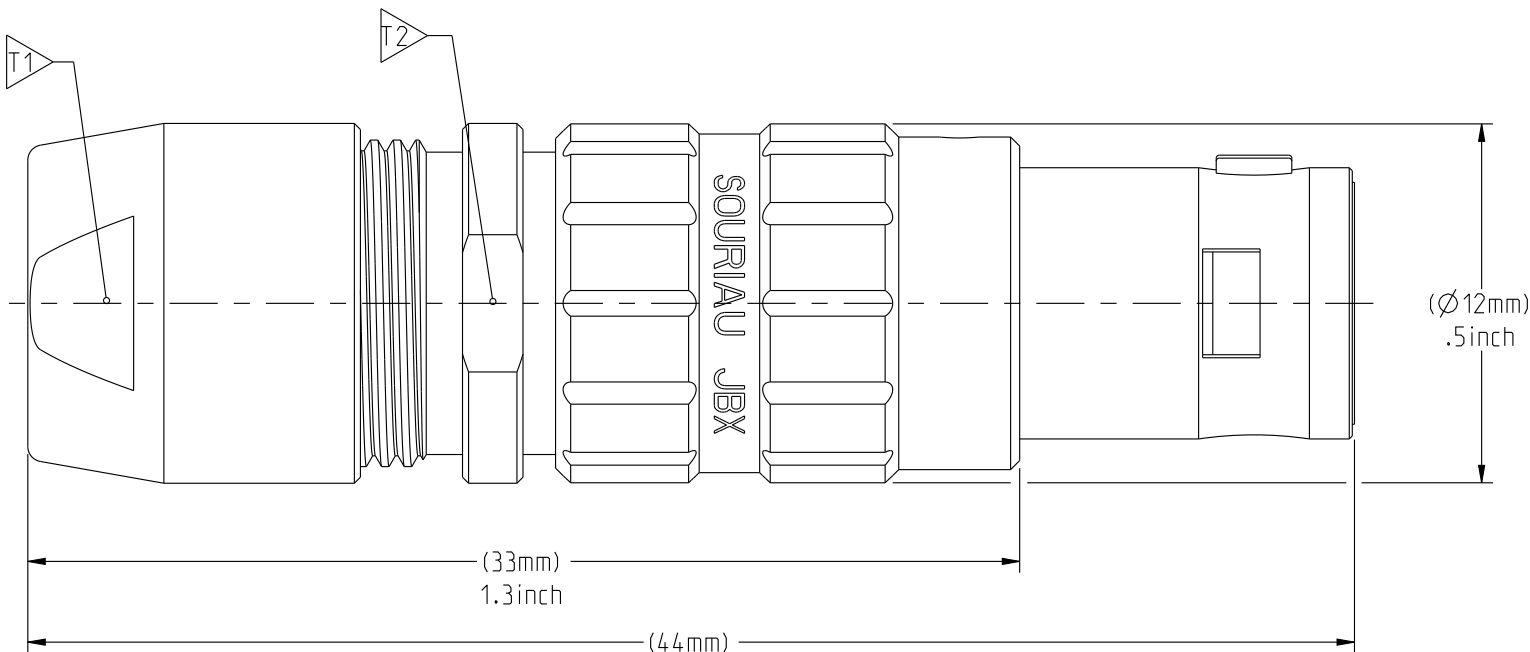
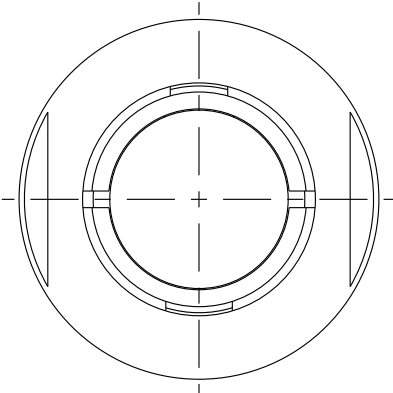
COLLET : POLYAMIDE

FINISH:

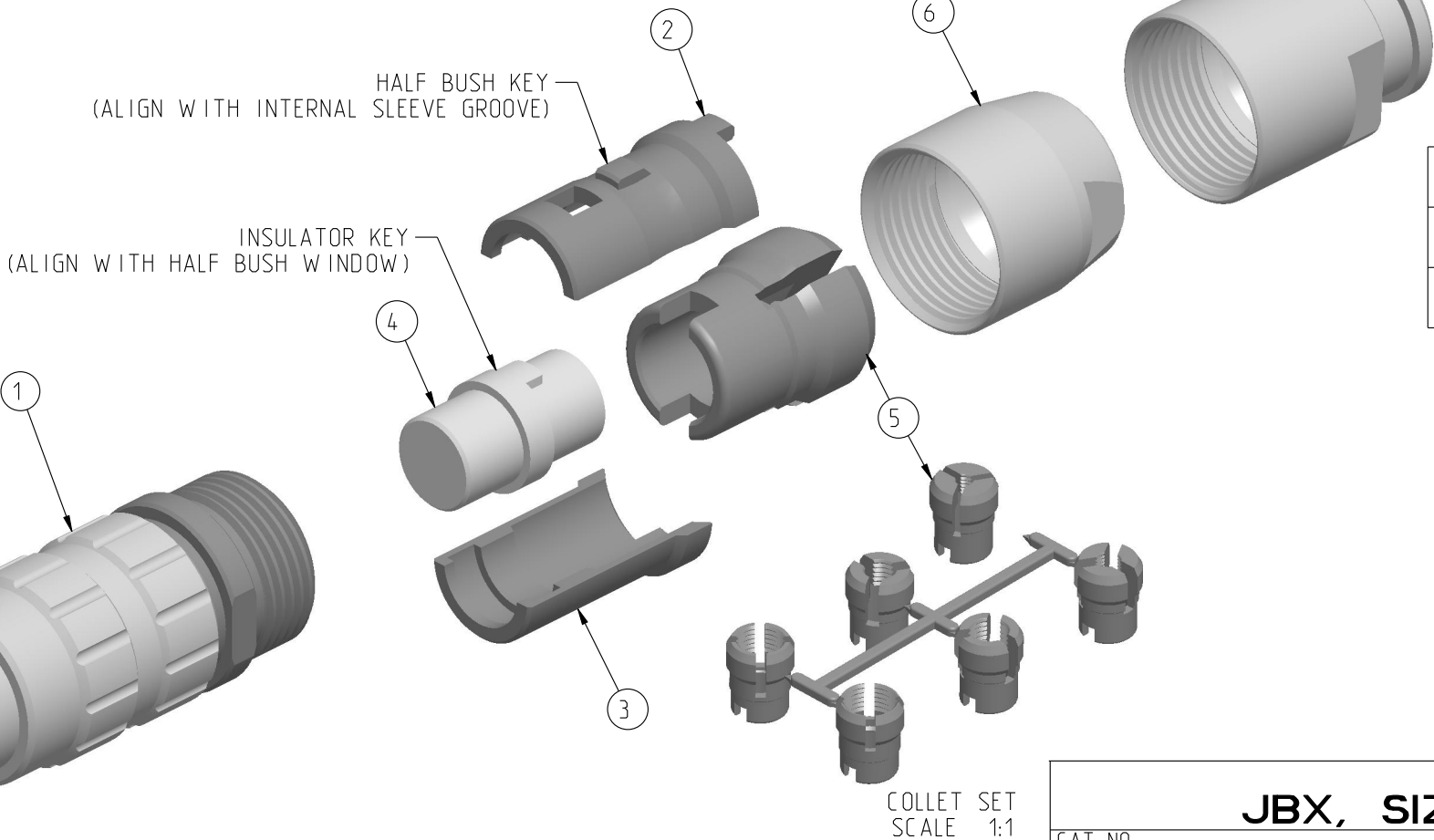
OUTER SHELL & : CHROME  
BACK NUT

OTHER BRASS PARTS : NICKEL

## T\* > TOOLS



| PART LIST |                                                   |
|-----------|---------------------------------------------------|
| ITEM NO.  | DESCRIPTION                                       |
| 1         | SLEEVE                                            |
| 2         | HALFBUSH WITH WINDOW                              |
| 3         | HALFBUSH WITHOUT WINDOW                           |
| 4         | INSULATOR                                         |
| 5         | Ø2.0-Ø7.5 CABLE COLLET<br>(CHOOSE PER CABLE SIZE) |
| 6         | STANDARD BACK NUT                                 |
| 6a        | BACK NUT FOR PROTECTIVE<br>BOOT (OPTIONAL)        |



|    | TOOLS (JAW<br>DIMENSION) | ADVISED TORQUE IN<br>Nm |
|----|--------------------------|-------------------------|
| T1 | 10                       | 1                       |
| T2 | 11                       | -                       |

|     |                        |                 |                |
|-----|------------------------|-----------------|----------------|
| A   | RELEASED PER ECN 12258 | TJS<br>06-10-15 | EV<br>06-10-15 |
| REV | DESCRIPTION            | BY<br>DATE      | CHKD<br>DATE   |

| CATALOG | NUMBER | DESCRIPTION |
|---------|--------|-------------|
|---------|--------|-------------|

JBX FD 1 XXXXXXDXX

**BASIC SERIES** \_\_\_\_\_ *OPTION*

**SHELL TYPE** \_\_\_\_\_ *INSERT MATERIAL*

**SHELL SIZE** \_\_\_\_\_ *COLLET OPTION*

*KEYING* \_\_\_\_\_ *SURFACE PLATING*

*SEE INSULATOR DRAWING* \_\_\_\_\_

| ORIGIN | COUNTRY | JURISDICTION                                                                                                                                                                         | CLASSIFICATION |
|--------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| X      | FR      | Not listed                                                                                                                                                                           | N/A            |
|        | US      | EAR                                                                                                                                                                                  | ECCN =EAR99    |
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|                                                                                       |                                                                                            |                                                                                              |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| LINEAR MEASURE:                                                                       |  (mm) |  (INCH) |
| THIRD ANGLE PROJECTION                                                                |                                                                                            |                                                                                              |
|  |                                                                                            |                                                                                              |
| TOLERANCES                                                                            |                                                                                            |                                                                                              |
| UNLESS OTHERWISE SPECIFIED                                                            |                                                                                            |                                                                                              |
| No. OF PLACES                                                                         | mm [INCH]                                                                                  |                                                                                              |
| WHOLE No.                                                                             | ±0.5 (±.02)                                                                                |                                                                                              |
| ONE PLACE                                                                             | ±0.2 (±.008)                                                                               |                                                                                              |
| TWO PLACES                                                                            | ±0.1 (±.004)                                                                               |                                                                                              |
| ANGLES ±°                                                                             |                                                                                            |                                                                                              |

JBX, SIZE 1, STRAIGHT PLUG

CAT NO. **JBXFD1**

CAGE NO: 09922

SIZE: 0

# CUSTOMER

# SOURIAU

[www.souriau.com](http://www.souriau.com)

|                    |            |          |
|--------------------|------------|----------|
| APPROVAL           | DRAWN: TJS | 01-07-15 |
|                    | CHKD : EV  | 01-07-15 |
|                    | DSGN : EV  | 01-07-15 |
|                    | MFG : DH   | 01-07-15 |
|                    | QC : BB    | 01-07-15 |
| DRAWING SCALE: 4:1 |            |          |
| DRAWING NO.        |            | REV      |
| JBXFD1C            |            | A        |
| 1 OF 1             |            |          |

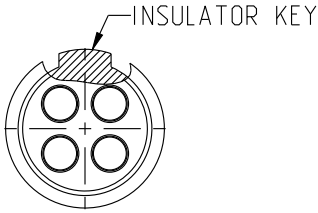
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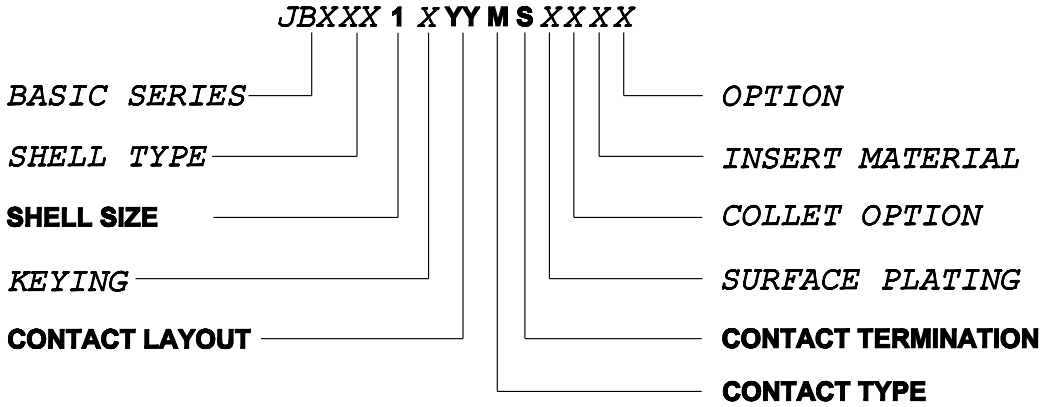
DWG. NO.  
JBX11NSMSC

MALE INSULATOR, SOLDER CONTACT

| CONTACT LAYOUT  | 02                         | 03      | 04      | 05      |
|-----------------|----------------------------|---------|---------|---------|
| FRONT SIDE VIEW |                            |         |         |         |
| REAR SIDE VIEW  |                            |         |         |         |
| CONTACT         |                            |         |         |         |
| ISO VIEW        |                            |         |         |         |
| CONTACT         | ØC                         | 1.3     | 1.3     | 0.9     |
|                 | ØF                         | 1.1     | 1.1     | 0.8     |
|                 | MAX. AWG                   | 20      | 20      | 24      |
|                 | MAX. CURRENT RATING (A)    | 15      | 15      | 10      |
|                 | CONTACT RESISTANCE (mΩ)    | 3       | 3       | 3.5     |
| INSULATOR       | NUMBER OF CAVITY           | 2       | 3       | 4       |
|                 | MAX. CURRENT RATING        | 15      | 12      | 9       |
|                 | TEST VOLTAGE (Vrms)        | 1600    | 1300    | 1900    |
|                 | WORKING VOLTAGE (Vdc/Vrms) | 760/530 | 600/420 | 900/630 |



CATALOG NUMBER DESCRIPTION



CONTACT TYPE : M (MALE)  
CONTACT TERMINATION : S (SOLDER)  
MATERIAL :  
CONTACT: BRASS  
CLIP: COPPER ALLOY  
INSULATOR: PEEK  
FINISH:  
CONTACTS: GOLD

|     |                        |                 |                |
|-----|------------------------|-----------------|----------------|
| B   | REVISED PER ECN 12286  | RSK<br>06-10-15 | EV<br>06-10-15 |
| A   | RELEASED PER ECN 12264 | SKV<br>03-10-15 | EV<br>03-10-15 |
| REV | DESCRIPTION            | BY<br>DATE      | CHKD<br>DATE   |

|                                                                     |  |                        |                     |
|---------------------------------------------------------------------|--|------------------------|---------------------|
| DRAWING TITLE<br><b>JBX, SIZE 1, MALE INSULATOR, SOLDER CONTACT</b> |  |                        |                     |
| CAT NO.<br><b>JBX11NSMS</b>                                         |  |                        |                     |
| CAGE NO: 09922                                                      |  | SIZE: B                |                     |
| <b>CUSTOMER</b>                                                     |  | <b>SOURIAU</b>         | APPROVAL            |
|                                                                     |  |                        |                     |
| INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.       |  | <b>WWW.SOURIAU.COM</b> | DRAWN: SKV 02-02-15 |
|                                                                     |  |                        | CHKD : EV 02-02-15  |
|                                                                     |  |                        | DSGN : EV 02-02-15  |
|                                                                     |  |                        | MFG : DH 02-02-15   |
|                                                                     |  |                        | QC : BB 02-02-15    |
|                                                                     |  |                        | DRAWING SCALE: NA   |
|                                                                     |  |                        | DRAWING NO.         |
|                                                                     |  |                        | REV                 |
|                                                                     |  |                        | JBX11NSMSC          |
|                                                                     |  |                        | B                   |
|                                                                     |  |                        | 1 OF 2              |
|                                                                     |  |                        |                     |

| ORIGIN                                                                                                                                                                               | COUNTRY | JURISDICTION | CLASSIFICATION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------------|
| X                                                                                                                                                                                    | FR      | Not listed   | N/A            |
|                                                                                                                                                                                      | US      | EAR          | ECCN =EAR99    |
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LINEAR MEASURE: mm (INCH)

THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

|               |               |
|---------------|---------------|
| No. OF PLACES | mm [INCH]     |
| ONE PLACE     | ±3 [±.1]      |
| TWO PLACES    | ±0.5 [±.02]   |
| THREE PLACES  | ±0.25 [±.010] |

ANGLES ±1°

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DWG. NO.  
JBX11NSMSC

| CONTACT LAYOUT  |                            | 06      | 07      | 08      | 10      | 12      |
|-----------------|----------------------------|---------|---------|---------|---------|---------|
| FRONT SIDE VIEW |                            |         |         |         |         |         |
| REAR SIDE VIEW  |                            |         |         |         |         |         |
| CONTACT         |                            |         |         |         |         |         |
| ISO VIEW        |                            |         |         |         |         |         |
| CONTACT         | ØC                         | 0.7     | 0.7     | 0.7     | 0.5     | 0.5     |
|                 | ØF                         | 0.81    | 0.81    | 0.81    | 0.5     | 0.5     |
|                 | MAX. AWG                   | 22      | 22      | 22      | 28      | 28      |
|                 | MAX. CURRENT RATING (A)    | 7       | 7       | 7       | 5       | 5       |
|                 | CONTACT RESISTANCE (mΩ)    | 5       | 5       | 5       | 10      | 10      |
|                 | NUMBER OF CAVITY           | 6       | 7       | 8       | 10      | 12      |
|                 | MAX. CURRENT RATING        | 7       | 7       | 5       | 2.5     | 2.5     |
|                 | TEST VOLTAGE (Vrms)        | 1400    | 1400    | 1200    | 600     | 500     |
| INSULATOR       | WORKING VOLTAGE (Vdc/Vrms) | 660/460 | 660/460 | 600/420 | 300/200 | 170/120 |

| ORIGIN                                                                                                                                                                               | COUNTRY | JURISDICTION | CLASSIFICATION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------------|
| X                                                                                                                                                                                    | FR      | Not listed   | N/A            |
|                                                                                                                                                                                      | US      | EAR          | ECCN =EAR99    |
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|                                       |               |  |           |
|---------------------------------------|---------------|--|-----------|
| LINEAR MEASURE:                       |               |  | mm (INCH) |
| THIRD ANGLE PROJECTION                |               |  |           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |               |  |           |
| No. OF PLACES                         | mm [INCH]     |  |           |
| ONE PLACE                             | ±3 [±.1]      |  |           |
| TWO PLACES                            | ±0.5 [±.02]   |  |           |
| THREE PLACES                          | ±0.25 [±.010] |  |           |
| ANGLES ±1°                            |               |  |           |

|                                                               |                 |                   |          |          |
|---------------------------------------------------------------|-----------------|-------------------|----------|----------|
| DRAWING TITLE                                                 |                 |                   |          |          |
| JBX, SIZE 1, MALE INSULATOR, SOLDER CONTACT                   |                 |                   |          |          |
| CAT NO.                                                       |                 |                   |          |          |
| JBX11NSMS                                                     |                 |                   |          |          |
| CAGE NO: 09922                                                | SIZE: B         |                   | APPROVAL |          |
| CUSTOMER                                                      | SOURIAU         | DRAWN: SKV        |          | 02-02-15 |
|                                                               |                 | CHKD : EV         |          | 02-02-15 |
|                                                               |                 | DSGN : EV         |          | 02-02-15 |
|                                                               |                 | MFG : DH          |          | 02-02-15 |
|                                                               |                 | QC : BB           |          | 02-02-15 |
| INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994. | WWW.SOURIAU.COM | DRAWING SCALE: NA |          |          |
|                                                               |                 | DRAWING NO.       | REV      |          |
|                                                               |                 | JBX11NSMSC        | B        |          |
|                                                               |                 |                   | 2 OF 2   |          |