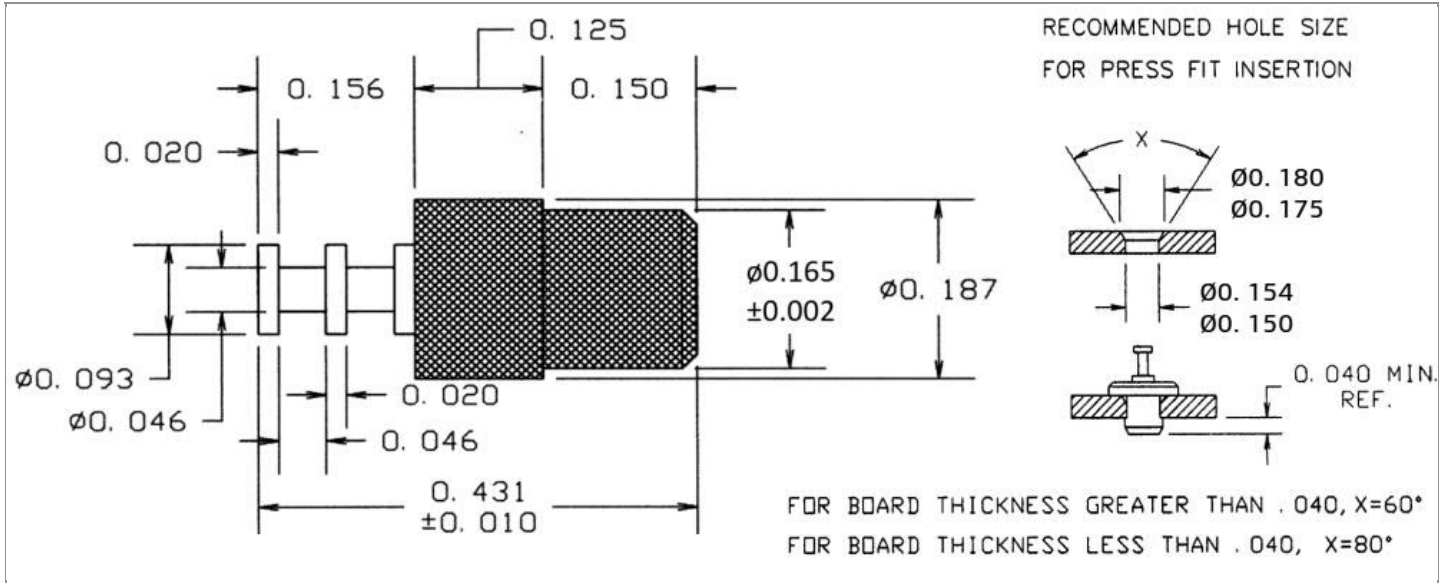


<b>DRAWING NUMBER:</b>	<b>1102-31M-XXXXZ</b>
<b>PRODUCT GROUP:</b>	TERMINALS
<b>SUB-GROUP:</b>	MILITARY INSULATED TERMINALS
<b>DESCRIPTION:</b>	PTFE INSULATED DOUBLE TURRET TERMINAL



PIN DIAMETER	OVERALL LENGTH	MOUNTING ORIENTATION	BOARD / PANEL MOUNTING METHOD
N/A	0.431"	VERTICAL	PRESS FIT

BOARD / PANEL THICKNESS	MOUNTING HOLE SIZE	DRILL SIZE	FEED THRU COMBINATION
UP TO 1/8"	0.152" ± 0.002	#24	N/A

**PART NO. STRUCTURE:\***

<b>1102</b>	-	<b>31M</b>	-	<b>XX</b>	<b>XX</b>
PART SERIES		DIMENSION		FINISH	INSULATION COLOR

\*If applicable, "Z" at the end of a PART NO. STRUCTURE indicates TERMINAL MATERIAL TYPE.

**MATERIAL OPTIONS:**

**1102-31M-XXXXZ**

COMPONENT	MATERIAL	MATERIAL AND SPECIFICATION
TERMINAL	PHOSPHOR BRONZE	PHOSPHOR BRONZE PER ASTM B139, ALLOY C54400
BASE/METAL SLEEVE	N/A	N/A
INSULATION*	PTFE	PTFE PER ASTM D1710
NUT	N/A	N/A
WASHER	N/A	N/A

\*For Insulation color, please see INSULATION COLOR OPTIONS on Page 2

FINISH - PLATING OPTIONS:

1102-31M-XXXXZ

FINISH CODE	COMPONENT	FINISH	FINISH AND SPECIFICATION
05	TERMINAL	ELECTRO-SOLDER	0.000300"MIN. ELECTRO-SOLDER PER SAE-AMS-P-81728 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418
	BASE/METAL SLEEVE	N/A	N/A
	NUT	N/A	N/A
	WASHER	N/A	N/A
088	TERMINAL	BRIGHT TIN-LEAD	0.000300"MIN. BRIGHT TIN-LEAD (Sn93%-Pb7%) PER ASTM B545 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418
	BASE/METAL SLEEVE	N/A	N/A
	NUT	N/A	N/A
	WASHER	N/A	N/A
095	TERMINAL	HOT SOLDER DIP	0.000100"MIN. HOT SOLDER DIP USING Sn60 PER IPC-J-STD-006 OVER 0.000100"MIN. COPPER PER SAE-AMS-2418
	BASE/METAL SLEEVE	N/A	N/A
	NUT	N/A	N/A
	WASHER	N/A	N/A

INSULATION COLOR OPTIONS:

1102-31M-XXXXZ

INSULATION COLOR	BLACK	BLUE	BROWN	GRAY	GREEN	ORANGE	RED	VIOLET	WHITE	YELLOW
COLOR CODE NO.	10	16	11	18	15	13	12	17	19	14

TOLERANCES:\*

DECIMAL	FRACTIONAL	ANGULAR	DRAWING ORIENTATION DATE	LAST MODIFICATION DATE
± 0.015	N/A	± 3 °	9/23/1991	3/1/2017

\*All dimensions are in inches.

RoHS COMPLIANCE:

1102-31M-05XXZ

PART NUMBER	RoHS COMPLIANT
1102-31M-0510Z	NO
1102-31M-0511Z	NO
1102-31M-0512Z	NO
1102-31M-0513Z	NO
1102-31M-0514Z	NO
1102-31M-0515Z	NO
1102-31M-0516Z	NO
1102-31M-0517Z	NO
1102-31M-0518Z	NO
1102-31M-0519Z	NO

1102-31M-088XXZ

PART NUMBER	RoHS COMPLIANT
1102-31M-08810Z	NO
1102-31M-08811Z	NO
1102-31M-08812Z	NO
1102-31M-08813Z	NO
1102-31M-08814Z	NO
1102-31M-08815Z	NO
1102-31M-08816Z	NO
1102-31M-08817Z	NO
1102-31M-08818Z	NO
1102-31M-08819Z	NO

1102-31M-095XXZ

PART NUMBER	RoHS COMPLIANT
1102-31M-09510Z	NO
1102-31M-09511Z	NO
1102-31M-09512Z	NO
1102-31M-09513Z	NO
1102-31M-09514Z	NO
1102-31M-09515Z	NO
1102-31M-09516Z	NO
1102-31M-09517Z	NO
1102-31M-09518Z	NO
1102-31M-09519Z	NO

MILITARY REFERENCE SPECIFICATIONS:

1102-31M-05XXZ

PART NUMBER	MIL SPECIFICATION	MIL PART NUMBER	COMMERCIAL ITEM DESCRIPTION (CID) SPECIFICATION	CID PART NUMBER
1102-31M-0510Z	MIL-T-55155/07	M55155/070B02 (SE070B02Z)	A-A-59126/07	AA59126/070B02
1102-31M-0511Z	MIL-T-55155/07	M55155/071B02 (SE071B02Z)	A-A-59126/07	AA59126/071B02
1102-31M-0512Z	MIL-T-55155/07	M55155/072B02 (SE072B02Z)	A-A-59126/07	AA59126/072B02
1102-31M-0513Z	MIL-T-55155/07	M55155/073B02 (SE073B02Z)	A-A-59126/07	AA59126/073B02
1102-31M-0514Z	MIL-T-55155/07	M55155/074B02 (SE074B02Z)	A-A-59126/07	AA59126/074B02
1102-31M-0515Z	MIL-T-55155/07	M55155/075B02 (SE075B02Z)	A-A-59126/07	AA59126/075B02
1102-31M-0516Z	MIL-T-55155/07	M55155/076B02 (SE076B02Z)	A-A-59126/07	AA59126/076B02
1102-31M-0517Z	MIL-T-55155/07	M55155/077B02 (SE077B02Z)	A-A-59126/07	AA59126/077B02
1102-31M-0518Z	MIL-T-55155/07	M55155/078B02 (SE078B02Z)	A-A-59126/07	AA59126/078B02
1102-31M-0519Z	MIL-T-55155/07	M55155/079B02 (SE079B02Z)	A-A-59126/07	AA59126/079B02

1102-31M-088XXZ

PART NUMBER	MIL SPECIFICATION	MIL PART NUMBER	COMMERCIAL ITEM DESCRIPTION (CID) SPECIFICATION	CID PART NUMBER
1102-31M-08810Z	MIL-T-55155/07	M55155/070D02	A-A-59126/07	AA59126/070D02
1102-31M-08811Z	MIL-T-55155/07	M55155/071D02	A-A-59126/07	AA59126/071D02
1102-31M-08812Z	MIL-T-55155/07	M55155/072D02	A-A-59126/07	AA59126/072D02
1102-31M-08813Z	MIL-T-55155/07	M55155/073D02	A-A-59126/07	AA59126/073D02
1102-31M-08814Z	MIL-T-55155/07	M55155/074D02	A-A-59126/07	AA59126/074D02

Continued on next page...

MILITARY REFERENCE SPECIFICATIONS CONTINUED:

1102-31M-088XXZ

PART NUMBER	MIL SPECIFICATION	MIL PART NUMBER	COMMERCIAL ITEM DESCRIPTION (CID) SPECIFICATION	CID PART NUMBER
1102-31M-08815Z	MIL-T-55155/07	M55155/075D02	A-A-59126/07	AA59126/075D02
1102-31M-08816Z	MIL-T-55155/07	M55155/076D02	A-A-59126/07	AA59126/076D02
1102-31M-08817Z	MIL-T-55155/07	M55155/077D02	A-A-59126/07	AA59126/077D02
1102-31M-08818Z	MIL-T-55155/07	M55155/078D02	A-A-59126/07	AA59126/078D02
1102-31M-08819Z	MIL-T-55155/07	M55155/079D02	A-A-59126/07	AA59126/079D02

1102-31M-095XXZ

PART NUMBER	MIL SPECIFICATION	MIL PART NUMBER	COMMERCIAL ITEM DESCRIPTION (CID) SPECIFICATION	CID PART NUMBER
1102-31M-09510Z	MIL-T-55155/07	M55155/070C02	A-A-59126/07	AA59126/070C02
1102-31M-09511Z	MIL-T-55155/07	M55155/071C02	A-A-59126/07	AA59126/071C02
1102-31M-09512Z	MIL-T-55155/07	M55155/072C02	A-A-59126/07	AA59126/072C02
1102-31M-09513Z	MIL-T-55155/07	M55155/073C02	A-A-59126/07	AA59126/073C02
1102-31M-09514Z	MIL-T-55155/07	M55155/074C02	A-A-59126/07	AA59126/074C02
1102-31M-09515Z	MIL-T-55155/07	M55155/075C02	A-A-59126/07	AA59126/075C02
1102-31M-09516Z	MIL-T-55155/07	M55155/076C02	A-A-59126/07	AA59126/076C02
1102-31M-09517Z	MIL-T-55155/07	M55155/077C02	A-A-59126/07	AA59126/077C02
1102-31M-09518Z	MIL-T-55155/07	M55155/078C02	A-A-59126/07	AA59126/078C02
1102-31M-09519Z	MIL-T-55155/07	M55155/079C02	A-A-59126/07	AA59126/079C02

TOOLING:

INSTALLATION TOOL: ARBOR PRESS	INSTALLATION TOOL: ANVIL (ARBOR PRESS OPERATED)	INSTALLATION TOOL: PRESS-FIT / ROLL SWAGE / RIVET PUNCH (ARBOR PRESS OPERATED)	INSTALLATION TOOL: PRESS-FIT (HAND OPERATED)
TM1	TA11102-31	TPI1102-31	TTI1102-31

NOTES:

<b>DATASHEET NOTES</b>
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N/A

<b>INSTRUCTION NOTES</b>
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SEE GENERAL PRESS FIT INSTALLATION INSTRUCTION ON CONCORD ELECTRONICS' WEBSITE [WWW.CONCORD-ELECTRONICS.COM](http://WWW.CONCORD-ELECTRONICS.COM).