

INCH-POUND

MIL-DTL-32689/3
w/AMENDMENT 2
14 March 2024

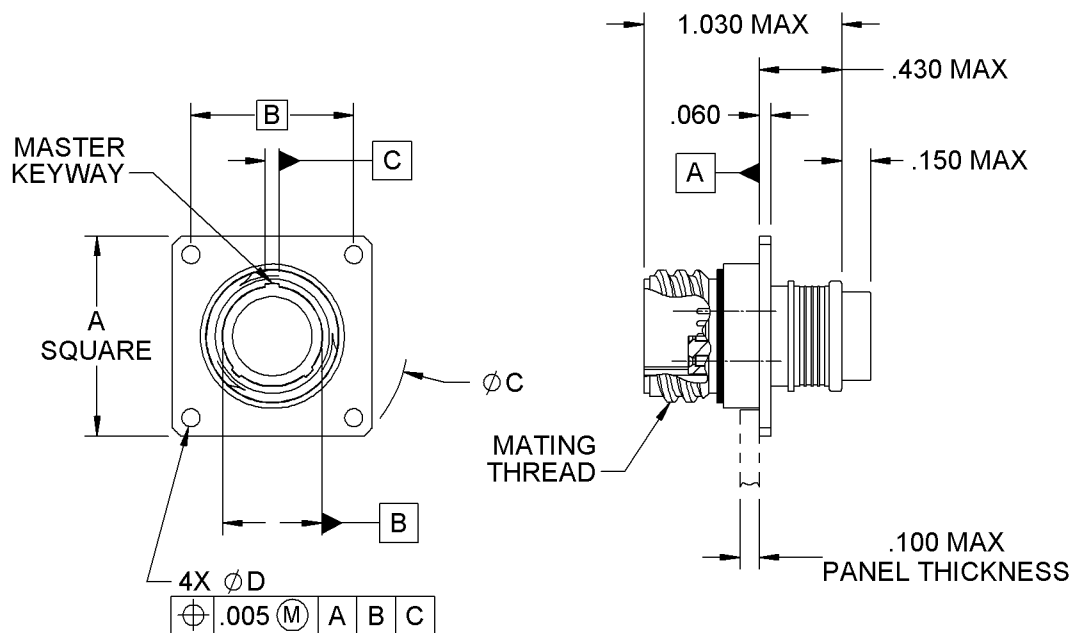
SUPERCEEDING
MIL-DTL-32689/3
w/AMENDMENT 1
28 July 2022

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, RECEPTACLE, SQUARE WALL FLANGE, TRI-START THREADED, REMOVABLE CRIMP CONTACTS

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-32689.



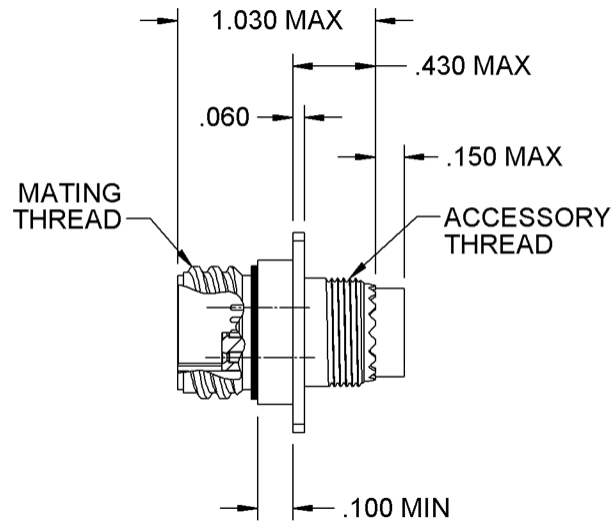
Note: This connector is generally intended to be mounted with the connector flange behind the panel.
Variation is not prohibited.

Front view of receptacle (left) and receptacle with integral banding platform (right)

FIGURE 1. Receptacle, flange mount.



MIL-DTL-32689/3
w/AMENDMENT 2



Receptacle with rear accessory threads

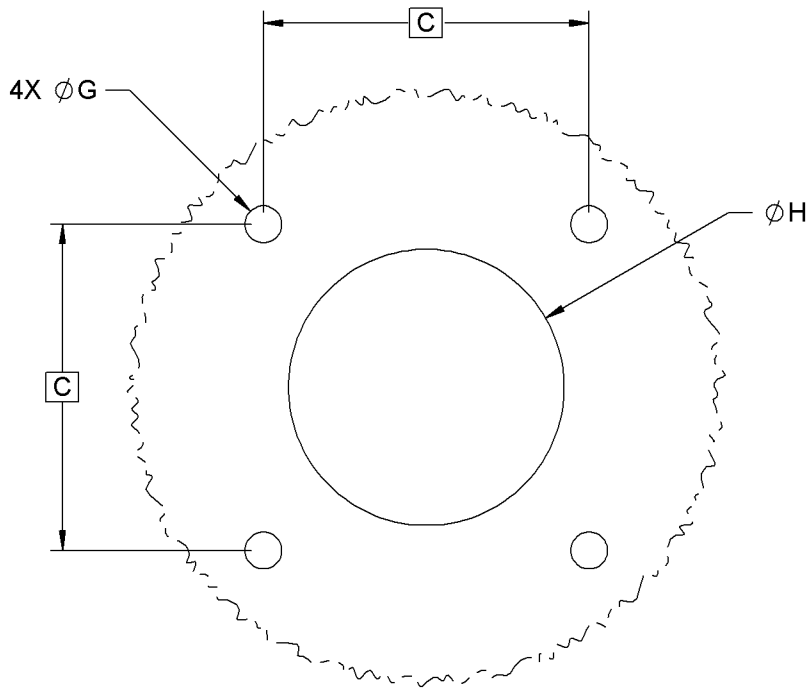
Shell size	A square	B BSC	C dia.	D dia mounting holes (+ .003)
08	.853	.660	1.153	.091
09	.916	.723	1.233	.091
10	.978	.785	1.333	.091
11	1.042	.848	1.413	.091
12	1.102	.909	1.503	.091
15	1.291	1.058	1.753	.125
18	1.478	1.255	2.003	.125
19	1.540	1.327	2.097	.125
23	1.790	1.570	2.443	.125

NOTES:

1. Dimensions are in inches.
2. To ensure full mating of the plug or full coupling of the backshell, the thickness of the mounting panel should not exceed the .100 max.
3. For connector front and rear configuration details, see MIL-DTL-32689.
4. This connector is generally intended to be mounted with the connector flange behind the panel. Variation is not prohibited.

FIGURE 1. Receptacle, flange mount – Continued.

MIL-DTL-32689/3
w/AMENDMENT 2



Recommended panel cutout			
Shell size	H dia max + .005	C BSC	G dia max +/- .003
08	.510	.660	.091
09	.573	.723	
10	.635	.785	
11	.698	.848	
12	.760	.909	
15	.948	1.058	.125
18	1.135	1.255	
19	1.198	1.327	
23	1.448	1.570	

FIGURE 2. Receptacle, flange mount, recommended panel cutout.

MIL-DTL-32689/3
w/AMENDMENT 2

REQUIREMENTS:

Dimensions and configurations: See figures 1 and 2.
Interface dimensions shall conform to MIL-DTL-32689.

Part or Identifying Number (PIN) example:

M32689/3 - 1 F 08 - 07 P A

<u>M32689/3</u>	"M" prefix, base spec number, "/", and specification sheet number
<u>1</u>	Shell style
<u>F</u>	Class
<u>08</u>	Shell size (two digits, zero pad if single digit)
<u>07</u>	Insert arrangement (two digits, zero pad if single digit)
<u>P</u>	Contact style
<u>A</u>	Polarization
<u>H</u>	Jam Nut Style

Not ideal for sealed applications. A wall mounted flange is more difficult to seal due to mounting hardware (screws and washers). A jam nut receptacle is typically easier to seal.

Referenced documents. This document references MIL-DTL-32689.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy - AS
Air Force – 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2024-087)

Review activities:

Navy - EC, SH

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.