

MILITARY SPECIFICATION

CONNECTORS, ELECTRIC, RECTANGULAR, MINIATURE POLARIZED  
 SHELL, RACK AND PANEL.

GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification MIL-C-24308B, dated, 20 May 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

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- \* 3.3.3.2.2: Add "Mechanical operations may be performed after application of plating."

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3.4.2, second sentence, delete and substitute: "Inserts shall be molded or bonded (100 percent Bond of Interface areas between bonded pieces) one piece construction, except for IDC."

- \* 3.4.1.2 Delete and substitute:

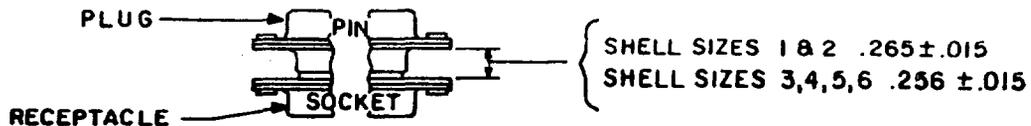
"3.4.1.2, Crimp Contacts. Crimp Contacts shall be as follows:

Connector Density	Contact Size	Contact Part Number
High	22 D Socket	M39029/57-354
High	22 D Pin	M39029/58-360
Standard	20 Pin	M39029/64-369
Standard	20 Socket	M39029/63-368"

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- \* 3.4.5, delete and substitute:

"3.4.5, Mated Spacing. Connectors shall meet applicable performance requirements when mated within the spacing shown below:"



\* TABLE VI, delete and substitute:

TABLE VI. Contact resistance (millivolts maximum).

Solder contact type	AWG wire size	Test current (amps)	Contacts			
			G, D, M, N		Class H, K	
			After salt spray	All others	After salt spray	All others
20	24	3.0	55	45	---	---
	20	7.5	65	55	---	---
	24	2.0	--	--	ind 165	ind 165
	20	5.0	--	--	avg 90	avg 70
IDC	28	1.0	75	65	---	---

\* 3.6.1, delete last two sentences and substitute the following: "Contact markings shall appear on both sides of the insert. On insulation displacement connectors, the first and last pin number of each row shall be marked clearly on the housing.

\* 4.7.23: Insert "Soldercup IDC" between "wrappost" and "and".

\* FIGURE 3, delete and substitute new figure as printed on page 3 of this amendment.

The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. 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 and relationship to the last previous amendment.

Custodians  
Army - CR  
Navy - EC  
Air Force - 85

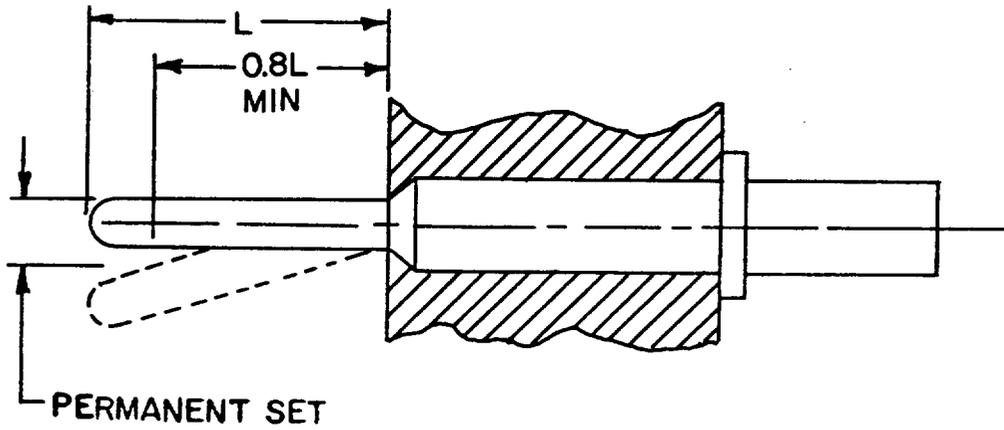
Preparing activity:  
Navy - EC

(Project 5935-3441)

Review activities:  
Army - MI, AR, AV  
Navy - AS  
Air Force - 11, 99  
DLA - ES

User activities:  
Army - ME, AT  
Navy - CG, MC, OS

Agent:  
DLA - ES



Mating end size	Moment (lb-in.) (unless otherwise specified (see 3.1))
20	.53
22	.22
23	.16
24	.13

FIGURE 3. Contact pin strength.