



**MATERIAL :**  
CONTACT BODY : BERYLLIUM COPPER PER ASTM B 196  
PROTECTION SLEEVE : STAINLESS STEEL PER SAE AMS-5514

**FINISH :**  
CONTACT BODY : PLATING .00005 INCH OF GOLD PER SAE AMS-2422 OVER NICKEL PER SAE AMS-QQ-N-290  
PROTECTIVE SLEEVE : PASSIVATED PER SAE AMS-QQ-P-35

**WIRES ACCOMMODATED :** AWG 20-22-24  
**INSULATOR DIAMETER :** 2.60 MAX (0.103)  
**STRIP LENGTH :** 6 (0.236)

**CRIMP CONTACT TENSILE REQUIREMENTS USING MIL SPEC TOOLING AND WIRE SPEC**  
MIL-W-81381/12 20 GA. 20 LBS (9daN)  
MIL-W-22759/41 20 GA. 20 LBS (9 daN)  
M22520/1-01 20 GA. 20 LBS (9 daN)

**CRIMPED CONTACTS WILL SHOW NO CRACK WHEN INSPECTED PER MIL-C-22520 AT 10X**

**RADIALL TOOLING RECOMMENDATION**  
CRIMPING TOOL : M22520/1-01 (RADIALL 282 291)  
SELECTOR POSITION : 5 FOR AWG 20  
5 FOR AWG 22  
4 FOR AWG 24

**POSITIONER :** M22520/1-02 (RADIALL 282 972)

**INSERTION/EXTRACTION TOOL :** M81969/14-03 (RADIALL P/N : 282 515)

**Electrical characteristics:**  
Max current Amps : 7.5A for AWG20 wire  
5A for AWG22 wire  
3A for AWG24 wire

**Note:** When smaller wire sizes are used on contacts with reduced crimp barrel, the wire won't provide sealing to the grommet. If sealing is required, please contact Radiall.

**DIMENSIONS : mm (inch are given for information only)**



Estimated weight : 0.60 g

CREATION		Oct 19, 11	Modification of cable diameter max; add max current	Lebocq	Leglarfec
PEN:	May 4, 09	Title release description updated	Pailot N	Legloahec Y	
	Jan 25, 08	Red color band added (drawing mistake) Redrawn and dimensions modified and fit/ext tool updated	Pailot N	Pessard M.	
	Jun 27, 01	Note "2 potential locations" added	Chevreau G	Motteau G	
	Feb 19, 99	Red color band added (drawing mistake) updated from the detail drawing	Arnault F	Verneau	
	Apr 20, 98	Ø0.109/0.107 was Ø0.109/0.106	Valgresy B	Giet L	
DATE: Apr 03, 98	Ø0.068/0.065 added, Ø 0.088/0.086 was Ø0.088/0.085	Valgresy B	Giet L		
APPR.: GIET L.	Issue	Revisions	Name	Approved	

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