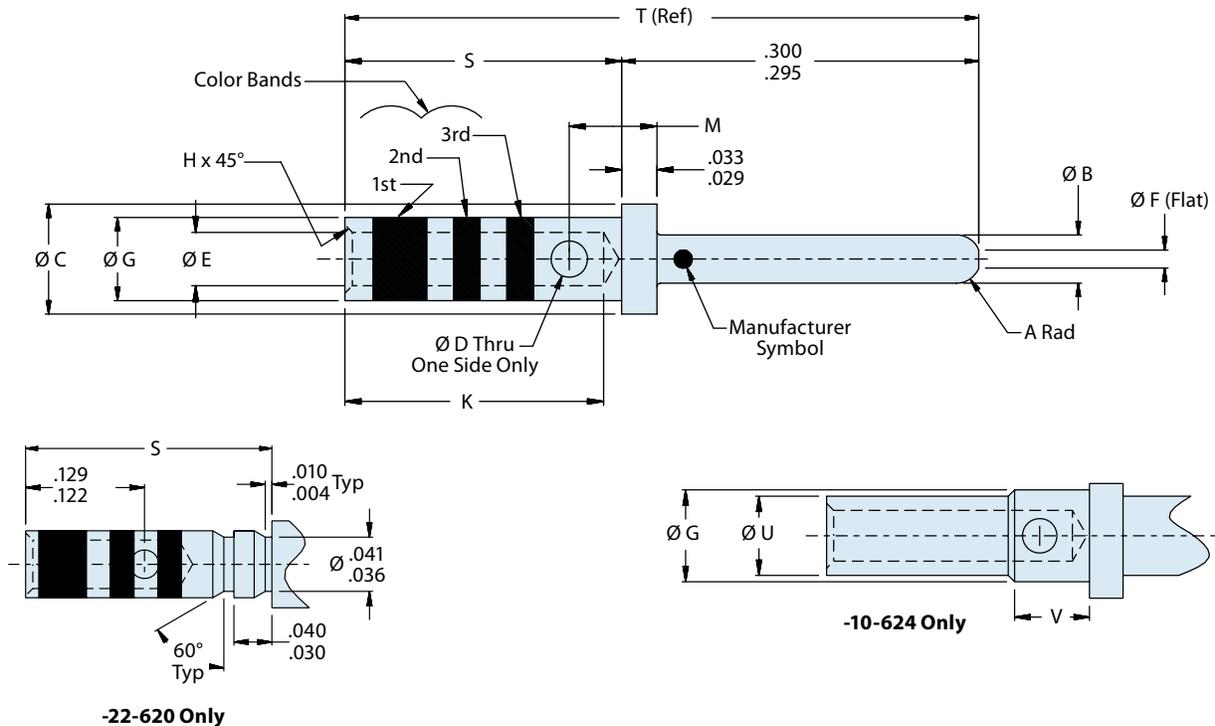


**D38999**  
 Ser. I, III, IV

**M29600**
**Extended Duty Pin Crimp Contact for MIL-DTL-38999 Series I, III and IV Connectors**
**A**


Mating End Size	Wire Accomodation	Military Part Number	Glenair Part Number
22	22-28 AWG	<b>M39029/107-620</b>	<b>850-007-22-620</b>
20	20-24 AWG	<b>M39029/107-621</b>	<b>850-007-20-621</b>
16	16-20 AWG	<b>M39029/107-622</b>	<b>850-007-16-622</b>
12	12-14 AWG	<b>M39029/107-623</b>	<b>850-007-12-623</b>
10	10 AWG	<b>M39029/107-624</b>	<b>850-007-10-624</b>


**Material and Finish**

Copper alloy, plated with 5 µinches gold over 45 µinches palladium alloy.  
 Rated to 1500 cycles of durability.

**M39029/107**  
**850-007**  
**Extended Duty Electrical Pin Contact**



AS39029

A

**TABLE I: CONTACT DIMENSIONS**

Size	Part Number	Military Number	A Rad	ø B	ø C	ø D	ø E	ø F	ø G	H
22	850-007-22-620	M39029/107-620	.020 .010	.0305 .0295	.062 .060	.022 .018	.0355 .0335	.011 max	.048 .046	.005 .003
20	850-007-20-621	M39029/107-621	.025 .015	.041 .039	.094 .091	.032 .026	.048 .046	.015 max	.070 .068	.010 .005
16	850-007-16-622	M39029/107-622	.025 .020	.0635 .0616	.130 .127	.042 .036	.068 .066	.030 .011	.103 .101	.010 .005
12	850-007-12-623	M39029/107-623	.025 .020	.095 .093	.182 .179	.042 .036	.102 .098	.062 .043	.151 .148	.016 .005
10	850-007-10-624	M39029/107-624	.025 .020	.126 .124	.242 .238	.052 .040	.140 .134	.094 .074	.213 .207	.016 .005

**TABLE I: (Continued) CONTACT DIMENSIONS**

Size	Part Number	Military Number	K	M	S	T (Ref)	ø U	V	Color Bands		
									1st	2nd	3rd
22	850-007-22-620	M39029/107-620	.157 .141	-	.237 .231	.531	-	-	Blue	Red	Black
20	850-007-20-621	M39029/107-621	.229 .209	.078 .072	.237 .231	.531	-	-	Blue	Red	Brown
16	850-007-16-622	M39029/107-622	.229 .209	.088 .082	.237 .231	.531	-	-	Blue	Red	Red
12	850-007-12-623	M39029/107-623	.229 .209	.088 .082	.237 .231	.531	-	-	Blue	Red	Orange
10	850-007-10-624	M39029/107-624	.385 .355	.115 .108	.405 .395	.698	.183 .177	.121 .111	Blue	Red	Yellow

**TABLE II: TOOL COMPATIBILITY**

Size	Part Number	Military Number	AWG Handling	Crimp Tool	Positioner	Insertion Tool	Extraction Tool
22	850-007-22-620	M39029/107-620	22, 24, 26, 28	M22520/2-01 M22520/7-01	M22520/2-09 M22520/7-07	M81969/8-01 M81969/14-01	M81969/8-02 M81969/14-01
20	850-007-20-621	M39029/107-621	20, 22, 24	M22520/1-01 M22520/2-01 M22520/7-01	M22520/1-04 (red) M22520/2-10 M22520/7-08	M81969/8-05 M81969/14-10	M81969/8-06 M81969/14-10
16	850-007-16-622	M39029/107-622	16, 18, 20	M22520/1-01 M22520/7-01	M22520/1-04 (blue) M22520/7-04	M81969/8-07 M81969/14-03	M81969/8-08 M81969/14-03
12	850-007-12-623	M39029/107-623	12, 14	M22520/1-01	M22520/1-04 (yellow)	M81969/8-09 M81969/14-04	M81969/8-10 M81969/14-04
10	850-007-10-624	M39029/107-624	10	Daniels 1716P-1	Daniels 1716P-1	M81969/14-05 and M81969/8-11	M81969/14-05 and M81969/8-12