

RATIONALE

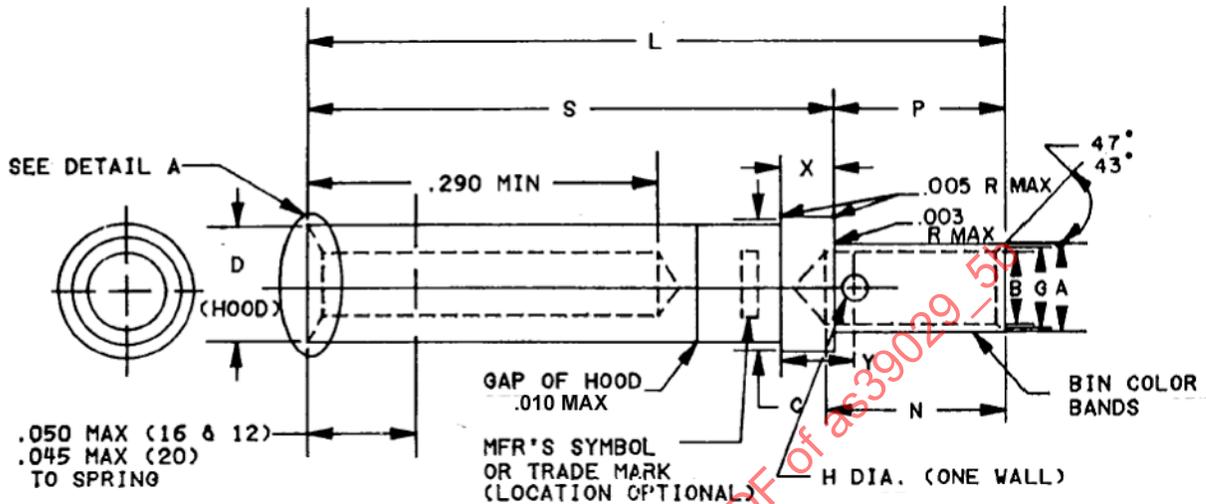
REVISE TO INCORPORATE THE OUTSTANDING AMENDMENT AS REQUIRED BY SAE GUIDELINES AND UPDATE FORMAT, FIGURES AND TABLES.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS39029.

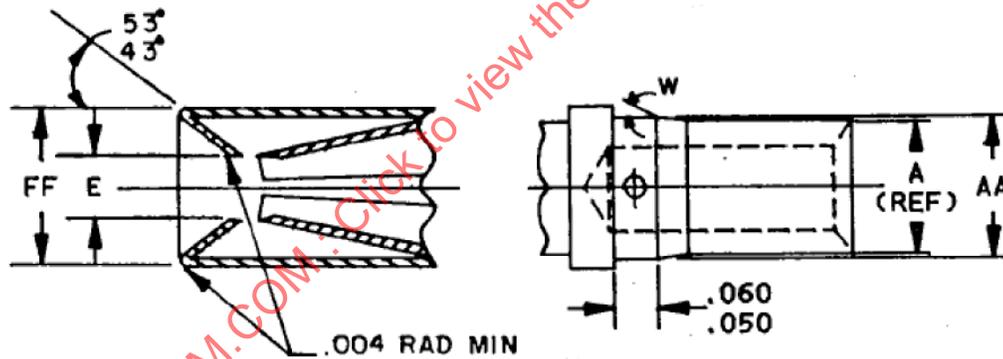
REV.
B

SAE AS39029/5

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BIN CODES 115 AND 116

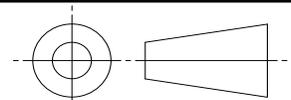


BIN CODES 117 118 AND 119

FIGURE 1 - AS39029/5 SOCKET CONTACT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS39029/5B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE (FOR MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, MIL-DTL-83723 SERIES I AND III, AND MIL-DTL-83733 CONNECTORS AND MIL-DTL-12883/40 AND /41 RELAY SOCKETS)

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REV. B

TABLE 1 - CONTACT DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	D DIA	E MIN DIA	G DIA	H DIA	L MAX (REF)	N	P	S	W°	X	Y	AA	FF MIN DIA	WEIGHT (LB NOMINAL)	Q	R
115	.078 .076	.050 .048	.103 .100	.078 .076	.0415	.066 .056	.032 .026	.675	.187 .155	.171 .160	.485 .479	--	.033 .029	.068 .063	--	.060	.0007	.032 .026	.051 .026
116	.103 .101	.068 .066	.133 .130	.113 .110	.064	.092 .078	.042 .036	.759	.284 .250	.257 .246	.500 .494	--	.048 .044	.085 .068	--	.087	.0014	--	--
117	.078 .076	.050 .048	.133 .130	.113 .110	.064	.066 .056	.042 .036	.759	.284 .250	.257 .246	.500 .494	46 44	.048 .044	.085 .068	.103 .101	.087	--	--	--
118	.151 .148	.102 .098	.190 .187	.161 .158	.0955	.136 .116	.042 .036	.759	.284 .250	.257 .246	.500 .494	16 14	.048 .044	.085 .068	.158 .155	.125	.0028	--	--
119	.103 .101	.068 .066	.190 .187	.161 .158	.0955	.092 .078	.042 .036	.759	.284 .250	.257 .246	.500 .494	46 44	.048 .044	.085 .068	.158 .155	.125	--	--	--

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
115	BROWN	BROWN	GREEN	20	20	A	B
116	BROWN	BROWN	BLUE	16	16		
117	BROWN	BROWN	VIOLET	16	20		
118	BROWN	BROWN	GRAY	12	12		
119	BROWN	BROWN	WHITE	12	16		

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL	
				WIRED CONTACT	UNWIRED CONTACT
115	M22520/1-01 OR M22520/2-01 OR M22520/7-01	M22520/1-02 RED OR M22520/2-02 OR M22520/7-02	M81969/14-11 OR M81969/8-05	M81969/14-11 OR M81969/8-06	M81969/30-05
116	M22520/1-01 OR M22520/7-01	M22520/1-02 BLUE OR M22520/7-03	M81969/14-03 OR M91659/8-07	M81969/14-03 OR M81969/8-08	M81969/30-06
117	M22520/1-01 OR M22520/7-01	M22520/1-02 BLUE OR M22520/7-03	M81969/14-03 OR M81969/8-207	M81969/14-03 OR M81969/8-208	M81969/30-06
118	M22520/1-01	M22520/1-02 YELLOW	M81969/14-04 OR M81969/8-09	M81969/14-04 OR M81969/8-210	M81969/30-07
119	M22520/1-01	M22520/1-02 YELLOW	M81969/14-04 OR M81969/8-209	M81969/14-04 OR M81969/8-210	M81969/30-07