

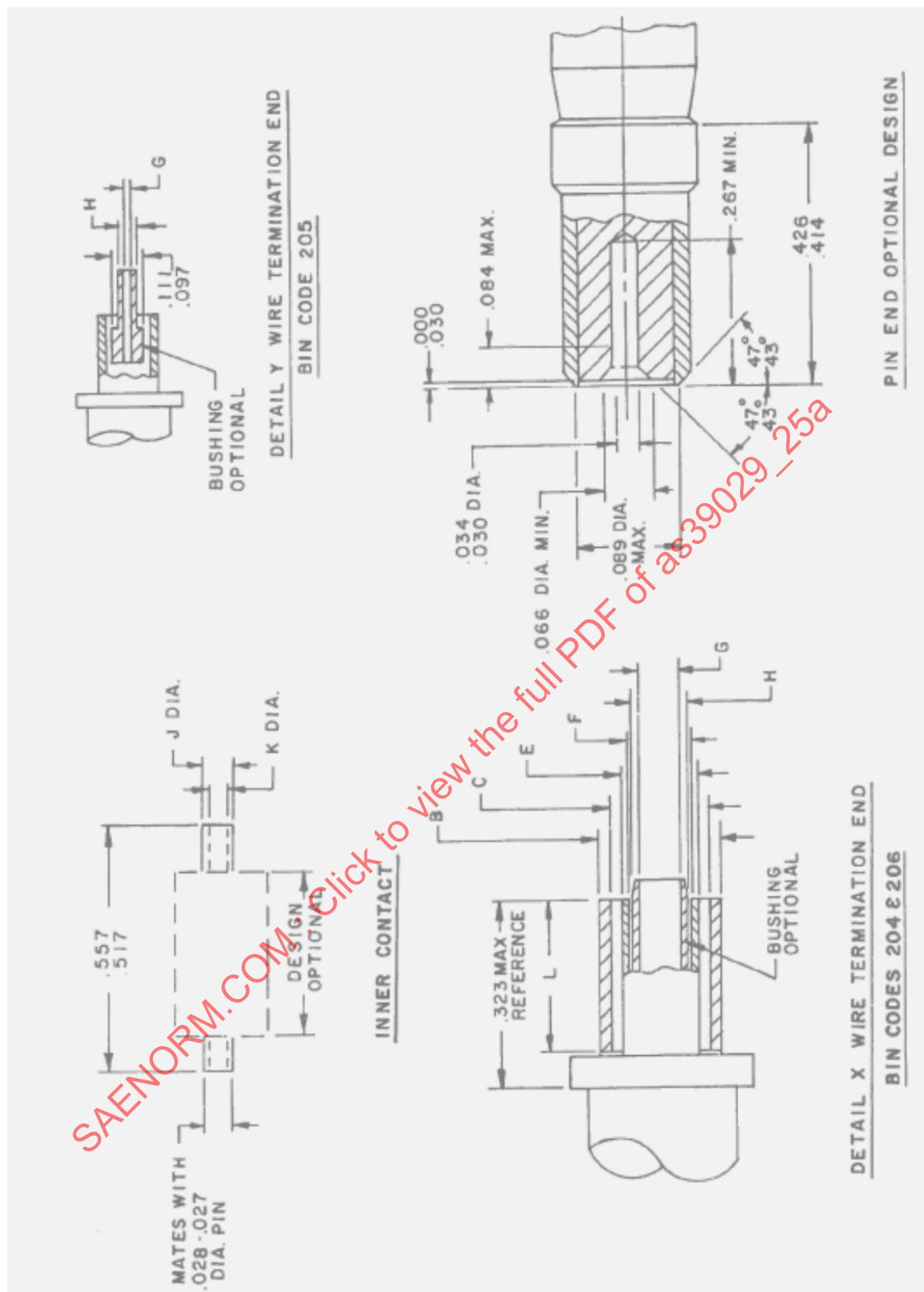


FIGURE 1 - AS39029/25 SHIELDED PIN CONTACT (CONTINUED)

TABLE 1 - CONTACT DIMENSIONS

BIN code	B	C	E	F	G	H	J	K	L
204	.201 (5.11) .189 (4.80)	.161 (4.09) .151 (3.84)	.136 (3.45) .126 (3.20)	.1150 (2.92) .1065 (2.70)	.069 (1.75) .065 (1.65)	.106 (2.69) .102 (2.59)	.055 (1.40) .045 (1.14)	.030 (.76) .020 (.51)	.270 (6.86) .230 (5.84)
205	---	---	.136 (3.45) .126 (3.20)	.1150 (2.92) .1065 (2.70)	.047 (1.19) .037 (.94)	.076 (1.93) .066 (1.68)	.055 (1.40) .045 (1.14)	.030 (.76) .020 (.51)	.330 (8.38) .290 (7.37)
206	.201 (5.11) .189 (4.80)	.161 (4.09) .151 (3.84)	.136 (3.45) .126 (3.20)	.1150 (2.92) .1065 (2.70)	.058 (1.47) .055 (1.40)	.106 (2.69) .102 (2.59)	.067 (1.70) .057 (1.45)	.044 (1.12) .034 (.86)	.270 (6.86) .230 (5.84)

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN code	Color bands			Contact cavity size	Type	Class
	1st	2nd	3rd			
204	Red	Black	Yellow	12	D	A
205	Red	Black	Green	12		
206	Red	Black	Blue	12		

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	INNER CONTACT		SHIELD CRIMP SLEEVE		INSTALLING TOOL	REMOVAL TOOL
	BASIC CRIMPING TOOL	POSITIONER	BASIC CRIMPING TOOL	DIES		
204	M22520/2-01	M22520/2-32	M22520/5-01	M22520/5-10	M81969/17-05	M81969/19-09
205	M22520/2-01	M22520/2-32	N/A	N/A	M81969/17-05	M81969/19-09
206	M22520/2-01	M22520/2-32	M22520/5-01	M22520/5-10	M81969/17-05	M81969/19-09

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDES PART NUMBER(S)
M39029/25-204	204	M39029/25-01
M39029/25-206	205	M39029/25-02
M39029/25-207	206	M39029/25-03

TABLE 5 - CONTACT ENGAGEMENT AND SEPARATION FORCES

Test pin diameter (inches)	Socket contact only					
	Initial			After conditioning		
	Minimum separation force (ounces)	Maximum average engagement force (ounces)	Maximum engagement force (ounces)	Minimum separation force (ounces)	Maximum average engagement (ounces)	Maximum engagement force (ounces)
.0280 +.0002 -.0000	N/A	N/A	16	N/A	N/A	20
.0270 +.0000 -.0002	0.5	N/A	N/A	0.4	N/A	N/A

TABLE 6 - CONTACT TENSILE STRENGTH (INNER AND OUTER CRIMP JOINT)

BIN CODE	CABLE ACCOMMODATION	AXIAL LOAD (POUND MINIMUM)	
		INNER CONTACT	OUTER CONTACT
204	M17/119-RG174	15	15
	M17/94-RG179	3.5	15
	M17/113-RG316	10	10
205	M17/93-RG178	3.5	10
206	NEMA-WC27500 SIZE 22 (SHIELDED)	15	15

TABLE 7 - CONTACT RESISTANCE

BIN code	Contact	accommodated	Test current (amps)	Maximum voltage drop (millivolts)					
				25° +3° - 0°		25° +3° - 0°		150° +3° - 0°	
				C		C		C	
				After conditioning					
				Max	Max avg	Max	Max avg	Max	Max avg
204	Inner	M17/119-RG174	1	55	N/A	66	N/A	88	N/A
	Outer		12	85		102		136	
	Inner	M17/94-RG179	1	120		144		192	
	Outer		12	70		84		112	
	Inner	M17/113-RG316	1	55		66		88	
	Outer		12	75		90		120	
205	Inner	M17/93-RG178	1	120		144		192	
	Outer		12	110		132		176	
206	Inner	No. 22 shield shielded NEMA-W C27500	1	10		12		16	
	Outer		12	60		72		96	