

**SURFACE ATTACHED MODULE
STRAIGHT MALE SAM
PCB CONNECTORS
30-160 POSITIONS
WITH INTEGRAL PCB
RETENTION FEATURE**



PHYSICAL PROPERTIES

INSULATION MATERIAL: Glass filled thermoplastic
rated UL 94V-0

COLOR: Black

CONTACTS: Copper alloy, nickel plate overall, 30 microinches gold finish in contact zone

ELECTRICAL PROPERTIES

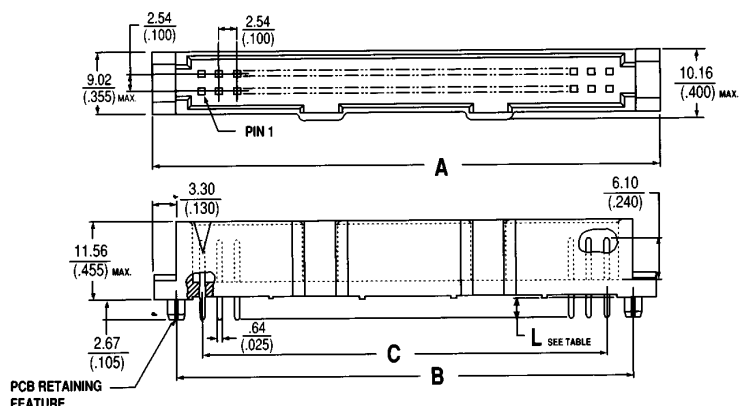
CURRENT RATING: 1 Amp per pin

INSULATION RESISTANCE: $>1 \times 10^9$ Ohms

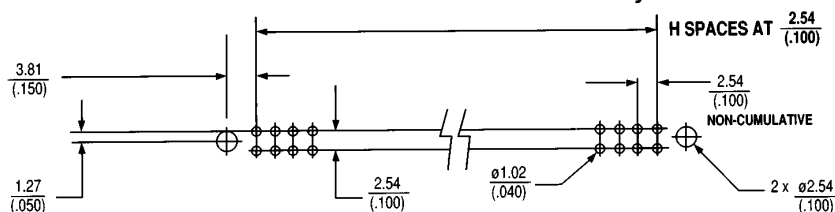
DIELECTRIC STRENGTH: > 1000 VDC at sea level

ENVIRONMENTAL PROPERTIES

TEMPERATURE RATING: -55°C TO 125°C



Recommended Printed Circuit Board Layout



Ordering Information

NO. OF POSITIONS	PART NUMBER SPECIFY X	A	B	C	H	X	L POST LENGTH	RECOMMENDED PCB THICKNESS RANGE
20	SAM020P-0X1-2	37.08 (1.460)	30.48 (1.200)	22.86 (.900)	9	2	<u>2.80</u> (.110)	<u>1.2 - 2.0</u> (.047 - .077)
30	SAM030P-0X1-2	49.78 (1.960)	43.18 (1.700)	35.56 (1.400)	14			
34	SAM034P-0X1-2	54.86 (2.160)	48.26 (1.900)	40.64 (1.600)	16	3	<u>4.40</u> (.173)	<u>2.8 - 3.6</u> (.110 - .140)
40	SAM040P-0X1-2	62.48 (2.460)	55.88 (2.200)	48.26 (1.900)	19			
44	SAM044P-0X1-2	67.56 (2.660)	60.96 (2.400)	53.34 (2.100)	21	4	<u>3.40</u> (.135)	<u>2.0 - 2.8</u> (.078 - .109)
50	SAM050P-0X1-2	75.18 (2.960)	68.58 (2.700)	60.96 (2.400)	24			
56	SAM056P-0X1-2	82.80 (3.260)	76.20 (3.000)	68.58 (2.700)	27			
60	SAM060P-0X1-2	87.88 (3.460)	81.28 (3.200)	73.66 (2.900)	29			
64	SAM064P-0X1-2	92.96 (3.660)	86.36 (3.400)	78.74 (3.100)	31			
72	SAM072P-0X1-2	103.12 (4.060)	96.52 (3.800)	88.90 (3.500)	35			
80	SAM080P-0X1-2	113.28 (4.460)	106.68 (4.200)	99.06 (3.900)	39			
86	SAM086P-0X1-2	120.90 (4.760)	114.30 (4.500)	106.68 (4.200)	42			
100	SAM100P-0X1-2	138.68 (5.460)	132.08 (5.200)	124.46 (4.900)	49			
110	SAM110P-0X1-2	151.38 (5.960)	144.78 (5.700)	140.66 (5.400)	54			
120	SAM120P-0X1-2	164.08 (6.460)	157.48 (6.200)	149.86 (5.900)	59			
130	SAM130P-0X1-2	176.78 (6.960)	170.18 (6.700)	162.56 (6.400)	64			
140	SAM140P-0X1-2	189.48 (7.460)	182.88 (7.200)	175.26 (6.900)	69			
150	SAM150P-0X1-2	202.18 (7.960)	195.58 (7.700)	187.96 (7.400)	74			
156	SAM156P-0X1-2	209.80 (8.260)	203.20 (8.000)	195.58 (7.700)	77			
160	SAM160P-0X1-2	214.88 (8.460)	208.28 (8.200)	200.66 (7.900)	79			

e.g. SAM160P-041-2