

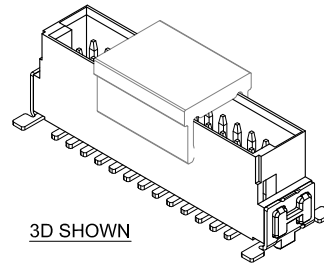
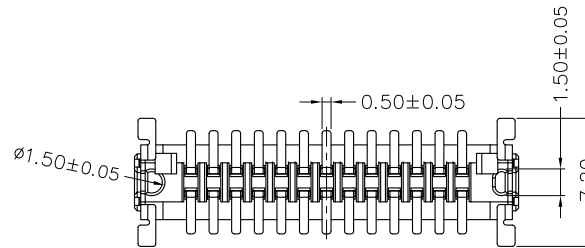
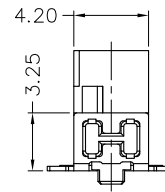
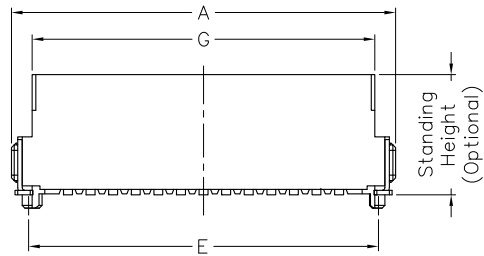
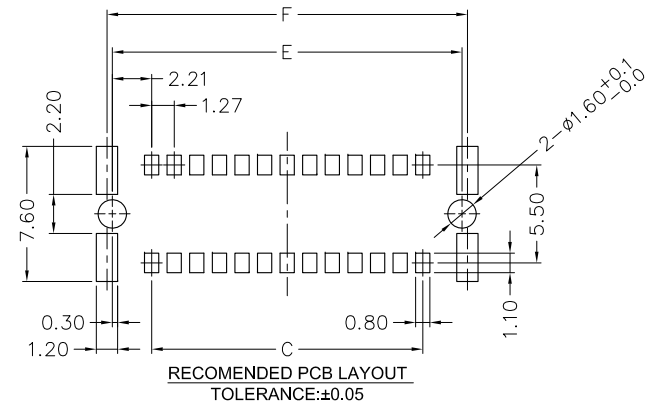
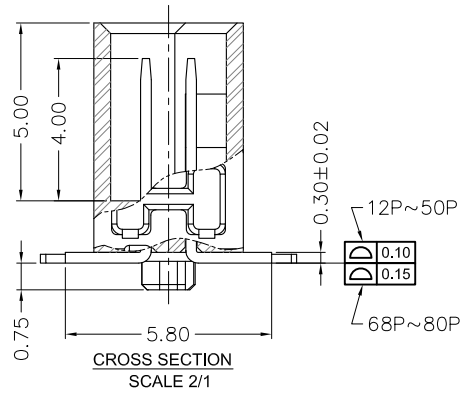
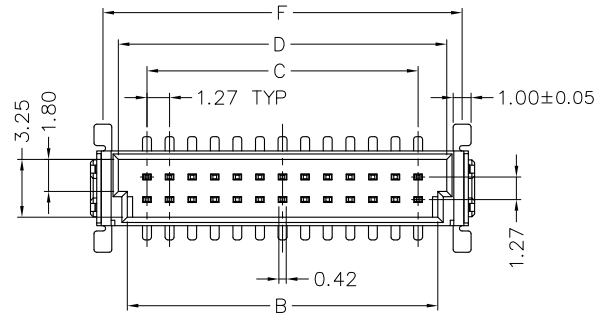
1

2

3

4

5



## &lt; ORDERING INFORMATION &gt;

BM12704 XX X XXX 00 X

SERIES NO. 1.27 SMC Male Connector Vertical SMT Type

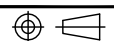
CONTACT POSITION SEE DIM-TABLE

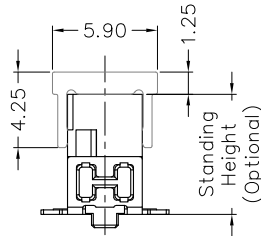
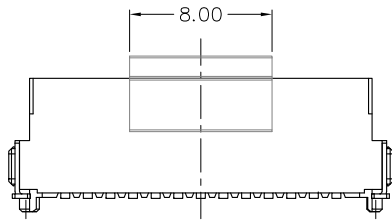
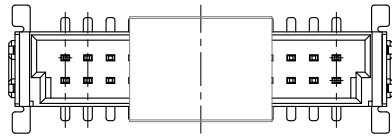
STANDING HEIGHT A: 6.75 B: 8.25 C: 9.85

CONTACT PLATING 100: Full Gold Flash (1μ" Min.) Plated, \* 600: Selective Gold Flash (1μ" Min.) Plated, 605: 5μ" selective Gold Plated, 630: 30μ" selective Gold Plated,

PACKAGE 3: Tape & Reel

CAP OPTION: 01: With CAP

				DREWN:	GENERAL TOLERANCE:	ALMITA CO., LTD.	
				CHECKED:	.X= ±0.20 .XX= ±0.15		
					UNIT: MM	DESCRIPTION:	SIZE
					SCALE: 1:1	1.27 SMC Male Connector Vertical SMT Type	A4
A	2018-05-02			APPROVAL:	SHEET: 1 / 2	PART NO:	
REV	DATE	FILE	BY		PROJECTION: 	SMC\BM12704\BM12704_A	

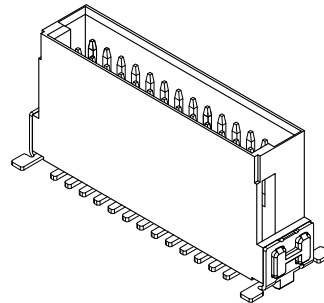


#### Specification

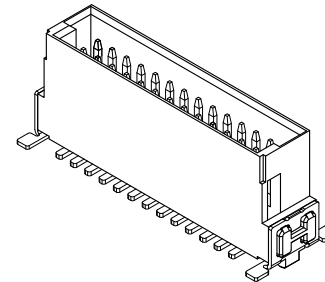
Insulator Material: High Temp. Thermoplastic, UL94V-0.  
Contact Material: Phosphor Bronze.  
Board Lock Material: Brass.  
Contact Plating: Au ( $1\mu$ " /  $5\mu$ " /  $30\mu$ " Min.) on Contact Area.  
Au ( $1\mu$ " Min.) or Sn ( $100\mu$ " Min.) on Solder Tail.  
Nickel (Contact -  $80\mu$ " Min. / Solder Tail -  $50\mu$ " Min.)  
Sn( $100\mu$ " Min.) over Nickel ( $40\mu$ " Min.)  
Board Lock Plating  
Current Resistance: 1.2A Max.  
Contact Resistance: 25 Milliohms Max.  
Insulator Resistance: 1000 Megohms Min.  
Dielectric Withstanding: 500V AC for 1 Minute.  
Operating Temperature:  $-55^{\circ}\text{C}$  ~  $+125^{\circ}\text{C}$ .  
Max. Processing Temp.:  $230^{\circ}\text{C}$  for 30~60 seconds.  
 $260^{\circ}\text{C}$  for 10 seconds.  
Durability Test: 500 mating cycles  
Insertion Force: 0.8N Max. (Per Contact)  
Withdrawal Force: 0.4N Min. (Per Contact)

DIM-TABLE

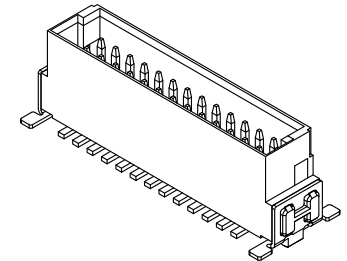
PIN NO.	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
12	12.70	8.57	6.35	9.57	10.77	11.34	10.37
16	15.24	11.11	8.89	12.11	13.31	13.88	12.91
20	17.78	13.65	11.43	14.65	15.85	16.42	15.45
24	20.32	16.19	13.97	17.19	18.39	18.96	17.99
26	21.59	17.46	15.24	18.46	19.66	20.23	19.26
30	24.13	20.00	17.78	21.00	22.20	22.77	21.80
32	25.40	21.27	19.05	22.27	23.47	24.04	23.07
40	30.48	26.35	24.13	27.35	28.55	29.12	28.15
50	36.83	32.70	30.48	33.70	34.90	35.47	34.50
68	48.26	44.13	41.91	45.13	46.33	46.90	45.93
80	55.88	51.75	49.53	52.75	53.95	54.52	53.55



STANDING HEIGHT: C (8.85)



STANDING HEIGHT: B (8.25)



STANDING HEIGHT: A (6.75)

				DREWN:	GENERAL TOLERANCE:	ALMITA CO., LTD.	
				CHECKED:	.X= $\pm 0.20$ .XX= $\pm 0.15$		
					UNIT: MM	DESCRIPTION:	SIZE
					SCALE: 1:1	1.27 SMC Male Connector Vertical SMT Type	
A	2018-05-02			APPROVAL:	SHEET: 2 / 2	PART NO:	A4
REV	DATE	FILE	BY		PROJECTION:	SMC\BM12704\BM12704_A	