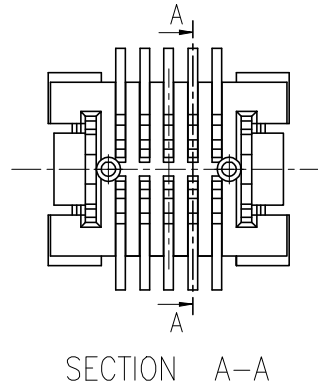
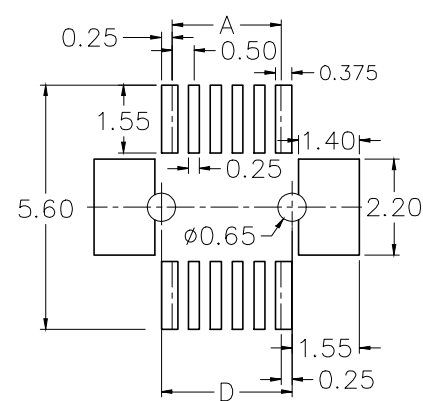
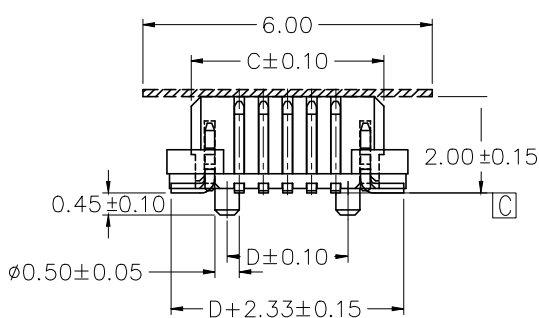
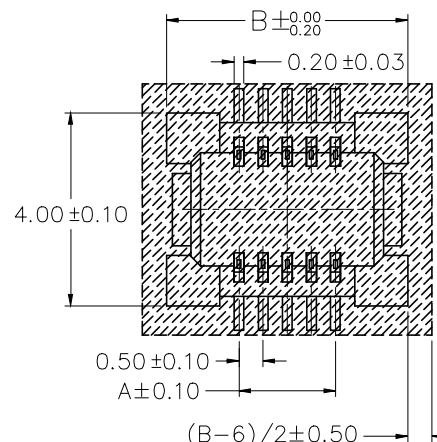


CIRCUITS	DIM A	DIM B	DIM C	DIM D	REMARK
10	2.00	5.00	4.00	2.50	⊕
12	2.50	5.50	4.50	3.00	⊕
14	3.00	6.00	5.00	3.50	⊕
16	3.50	6.50	5.50	4.00	⊕
18	4.00	7.00	6.00	4.50	⊕
20	4.50	7.50	6.50	5.00	⊕
22	5.00	8.00	7.00	5.50	⊕
24	5.50	8.50	7.50	6.00	⊕
26	6.00	9.00	8.00	6.50	⊕
28	6.50	9.50	8.50	7.00	⊕
30	7.00	10.00	9.00	7.50	⊕
32	7.50	10.50	9.50	8.00	⊕
34	8.00	11.00	10.00	8.50	⊕
36	8.50	11.50	10.50	9.00	⊕
38	9.00	12.00	11.00	9.50	⊕
40	9.50	12.50	11.50	10.00	⊕
42	10.00	13.00	12.00	10.50	⊕
44	10.50	13.50	12.50	11.00	⊕
46	11.00	14.00	13.00	11.50	⊕
48	11.50	14.50	13.50	12.00	⊕
50	12.00	15.00	14.00	12.50	⊕
52	12.50	15.50	14.50	13.00	⊕
54	13.00	16.00	15.00	13.50	⊕
56	13.50	16.50	15.50	14.00	⊕
58	14.00	17.00	16.00	14.50	⊕
60	14.50	17.50	16.50	15.00	⊕
62	15.00	18.00	17.00	15.50	⊕
64	15.50	18.50	17.50	16.00	⊕
66	16.00	19.00	18.00	16.50	⊕
68	16.50	19.50	18.50	17.00	⊕
70	17.00	20.00	19.00	17.50	⊕
72	17.50	20.50	19.50	18.00	⊕
74	18.00	21.00	20.00	18.50	⊕
76	18.50	21.50	20.50	19.00	⊕
78	19.00	22.00	21.00	19.50	⊕
80	19.50	22.50	21.50	20.00	⊕
82	20.00	23.00	22.00	20.50	⊕
84	20.50	23.50	22.50	21.00	⊕
86	21.00	24.00	23.00	21.50	⊕
88	21.50	24.50	23.50	22.00	⊕
90	22.00	25.00	24.00	22.50	⊕
92	22.50	25.50	24.50	23.00	⊕
94	23.00	26.00	25.00	23.50	⊕
96	23.50	26.50	25.50	24.00	⊕
98	24.00	27.00	26.00	24.50	⊕
100	24.50	27.50	26.50	25.00	⊕
110	27.00	30.00	29.00	27.50	⊕
120	29.50	32.50	31.50	30.00	⊕
140	34.50	37.50	36.50	35.00	⊕

Diagram	Molding description
○	mass production & assemble mold
⊙	sample & assemble mold
⊕	mass production & fix mold
⊗	sample & fix mold

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Recommended PCB Layout
(PCB TOLERANCE ±0.05)

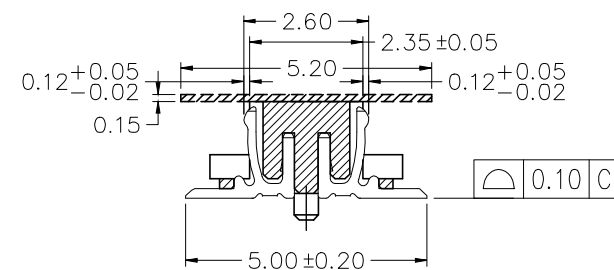


SPECIFICATIONS

Current Rating: 0.5 Amps AC/DC Max.
Insulator Resistance: 50 Megohms min.
Contact Resistance: 60m ohm Max.
Dielectric withstanding: AC 250V
Voltage Rating: 50V
Operating Temperature: -20°~+105°C
Contact Material: Phosphor Bronze
Insulator Material: High Temperature Thermoplastic, UL 94V-0
Color: Black
Finish: Gold Plated
Standard: Gold Flash all over

MPES1-XX XX X X X-FG

S=Straight
NO. OF CONTACTS
PLATING
Definition Code
● Tin plated: VA
● Gold plated:
flash VB 10μ" VE
15μ" VF
30μ" VJ
● Standard VB
FG: RoHS Compliant
Packaging:
Null: Tube (w/o Film)
K:Reel(w/o Film)
C:Film&Reel
F:Film&Tube
Color:
Null:Nylon-6T (Black)
D0:Nylon-9T (Natural) (White)
0:w/o Locating Peg
1:With Locating Peg



GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED			
XXX.	± X	.XX	± 0.10
XX.	± X	.XXX	± X
X.	± 0.50	X'	± 1"
.X	± 0.30	.X'	± X'
REV.	A	DRAWN	09/15/09
DATE	09/15/09	CHECKED	
SCALE	As shown	APPROVED	
UNIT	mm	SIZE	A4

APTOS TECHNOLOGY

MPES1 Series
0.5mm Board to Board Plug
PRODUCT NO. MPES1-XXXXXXX-FG
FILE NAME MPES1-XXXXXXX-FG.dwg