

61082 -

NUMBER OF POSITIONS	
04	2 X20
06	2 X30
08	2 X40
10	2 X50
12	2 X60
14	2 X70
16	2 X80
18	2 X90
20	2 X100

FOR PLUG, SEE DWG. NO. 61083				
COMBINATION OF MATED HEIGHT	1	2	3	4
1				
2				
3				

PACKAGING	
0	TUBE WITHOUT CAP
2	TAPE & REEL WITH CAP
9	TUBE WITH CAP
3	TRAY WITH CAP
6	T & R WITHOUT CAP (WITH KAPTON TAPE)

POLARIZATION PEG	
0	YES
2	NO

PLATING ON CONTACT AREA	
0	GOLD 0.2 μ m MIN. / TIN LEAD SOLDER NICKEL UNDERPLATE OVERALL 1.27 μ m MIN
1	PALLADIUM-NICKEL 0.76 μ m MIN. WITH GOLD FLASH (0.1 μ m MIN.) / TIN LEAD SOLDER NICKEL UNDERPLATE OVERALL 1.27 μ m MIN
4	GOLD 0.2 μ m MIN. / MATT PURE TIN ON SOLDER TAIL (LEAD FREE PLATING) NICKEL UNDERPLATE OVERALL 1.27 μ m MIN
5	GOLD 0.38 μ m MIN. / MATT PURE TIN ON SOLDER TAIL (LEAD FREE PLATING) NICKEL UNDERPLATE OVERALL 1.27 μ m MIN
6	PALLADIUM-NICKEL 0.76 μ m MIN. WITH GOLD FLASH (0.1 μ m MIN.) / MATT PURE TIN SOLDER (LEAD FREE PLATING) NICKEL UNDERPLATE OVERALL 1.27 μ m MIN

NOTES:
1. MATERIAL
HOUSING: G.F.LCP UL94V-0
TERMINAL: BERYLLIUM COPPER.

2. PLATING
AS TABLE SHOW.

3. SEE GS-12-148 FOR PRODUCT SPECIFICATION.

4. SEE GS-14-551 AND GS-14-816 FOR PACKAGING SPECIFICATION.

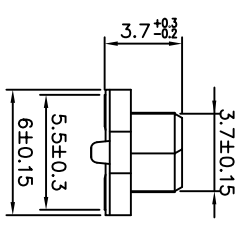
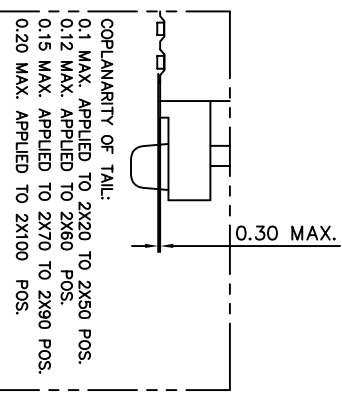
5. PACKING OPTION 3: "CUSTOMER-SPECIFIC PACKAGING, LIMITED TO CERTAIN SIZES."
PACKING OPTION 2: "NOT ALL SIZES ARE AVAILABLE; CHECK WITH FACTORY"

6. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN

7. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY
REGULATIONS AS DESCRIBED IN GS-22-008

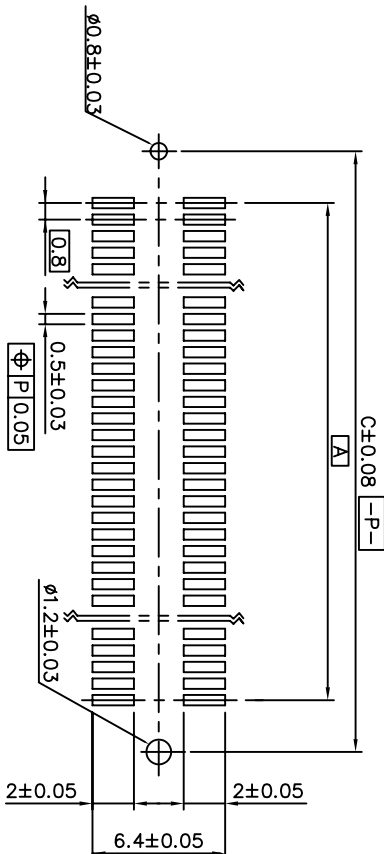
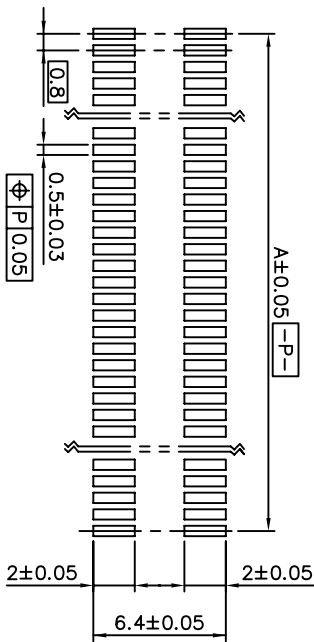
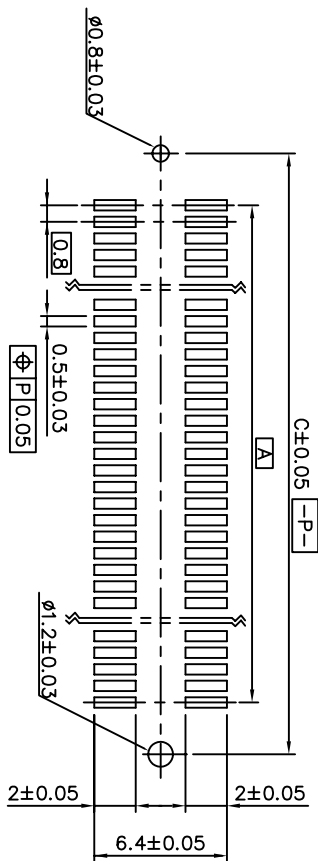
8. PLATING OPTION '4' IS LEADFREE ALTERNATIVE FOR OPTION '0', AND OPTION
'6' IS LEADFREE ALTERNATIVE FOR OPTION '1'.

mat'l. code		surface		tolerance		projection		product family	
lfr	ecp no	dr	date	tolerances unless otherwise specified	angles	g	mm	title	BERGSTAK
W	S07-0166	MCH	2007-05-18		X±0.20			0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	
X	S07-0416	MCH	2007-11-22		XX±0.15				
Y	S08-0330	MCH	2008-10-08	0° ± 2°	XXX±0.10				
S	T04-0094	MW	2004-03-05	dr			Scale 3:1		
T	S04-0133	MW	2004-06-23	engr				dwg no	sheet 1 of 6 size
U	S04-0167	CH	2004-07-30	chr				61082	A4
V	S04-0098	CH	2005-03-31	appd				CUSTOMER Drawing	
index	sheet	1	2	3	4	5	6		



RECEPTACLE 1

FOR RECEPTACLE 1



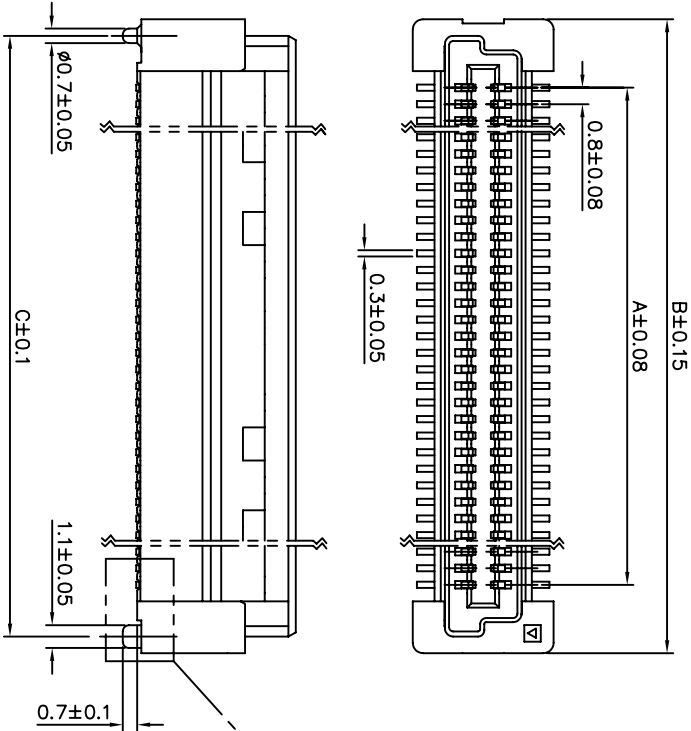
RECOMMENDED PCB LAYOUT WITHOUT PEG AND HOLDOWN

RECOMMENDED PCB LAYOUT WITH PEG
FOR NO. OF POS. 2X70, 2X80, 2X90, 2X100

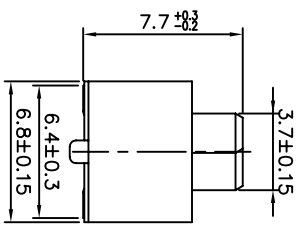
mat'l. code		surface		tolerance		projection		product family	
lfr	ecn no	dr	date	tolerances unless otherwise specified	angles	projection	scale	title	sheet no
P	S07-0166	MCH	2007-05-16	.X±0.20	.XX±0.15	MM	3:1	0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
R	S07-0416	MCH	2007-11-22	.XX±0.10	.XX±0.10	MM	3:1	0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
S	S07-0416	MCH	2007-11-22	.XX±0.10	.XX±0.10	MM	3:1	0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
engr	YU_MEN	CHU	1999-03-26					0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
chr	MACHEONG		2007-11-22					0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
appd	JOEY_NG		2007-11-22					0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
sheet	revision							0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082
index	sheet							0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	61082



PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-042***	2 X20	15.2	21.8	20.2
61082-062***	2 X30	23.2	29.8	28.2
61082-082***	2 X40	31.2	37.8	36.2
61082-102***	2 X50	39.2	45.8	44.2
61082-122***	2 X60	47.2	53.8	52.2
61082-142***	2 X70	55.2	61.8	60.2
61082-162***	2 X80	63.2	69.8	68.2
61082-182***	2 X90	71.2	77.8	76.2
61082-202***	2 X100	79.2	85.8	84.2



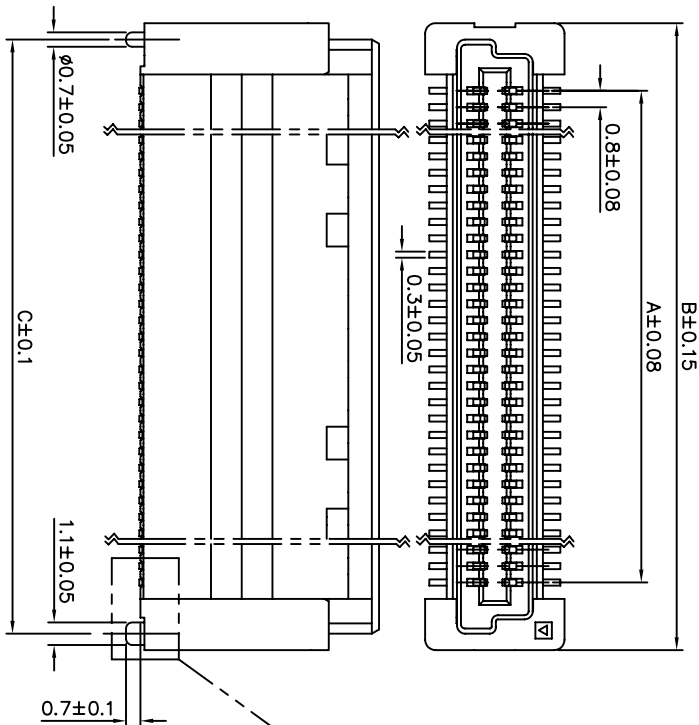
COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X50 POS.
0.12 MAX. APPLIED TO 2X60 POS.
0.15 MAX. APPLIED TO 2X70 TO 2X90 POS.
0.20 MAX. APPLIED TO 2X100 POS.



RECEPTACLE 2

mat'l. code				surface		tolerance	projection	product family	
Utr	ecn no	dr	date	tolerances unless otherwise specified	angles		MM	BERGSTAK	
R	S	S07-0166	MCH 2007-05-16			X±0.20		0.8mm BOARD TO BOARD RECEPTACLE ASS'Y	
				0°±2°		XX±0.15		sheet 4 of 6 size	
						XXX±0.10	Scale 3:1	A4	
				dr	MAGGIE_WU	1999-03-26		CUSTOMER Drawing	
				engr	YU_WEN_CHU	1999-03-26			
				chr	MACHEONG	2007-05-16			
				appd	JOEY_NG	2007-05-16			
sheet index	revision	sheet							

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-043***	2 X20	15.2	21.8	20.2
61082-063***	2 X30	23.2	29.8	28.2
61082-083***	2 X40	31.2	37.8	36.2
61082-103***	2 X50	39.2	45.8	44.2
61082-123***	2 X60	47.2	53.8	52.2
61082-143***	2 X70	55.2	61.8	60.2
61082-163***	2 X80	63.2	69.8	68.2
61082-183***	2 X90	71.2	77.8	76.2
61082-203***	2 X100	79.2	85.8	84.2

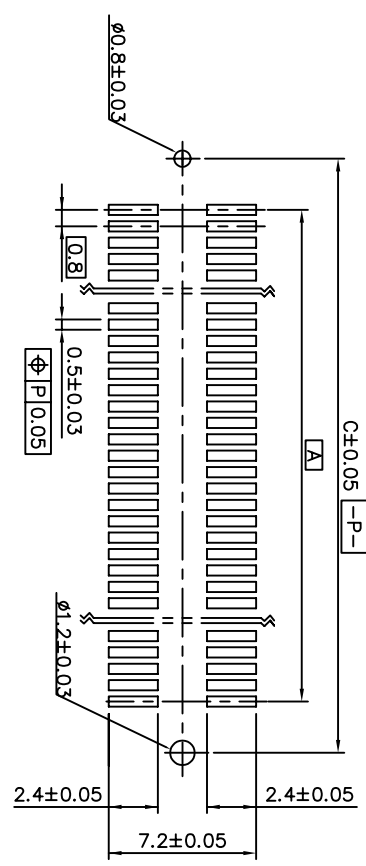
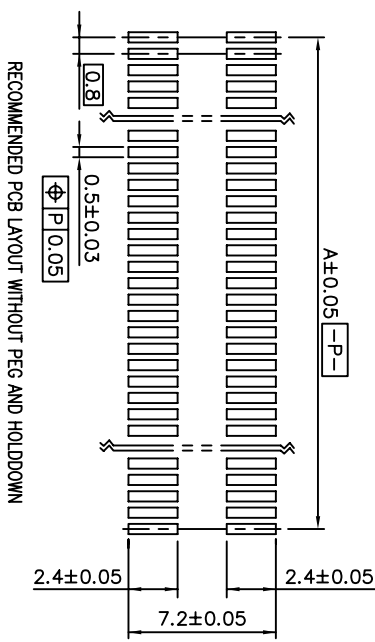


COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X50 POS.
0.12 MAX. APPLIED TO 2X60 POS.
0.15 MAX. APPLIED TO 2X70 TO 2X90 POS.
0.20 MAX. APPLIED TO 2X100 POS.

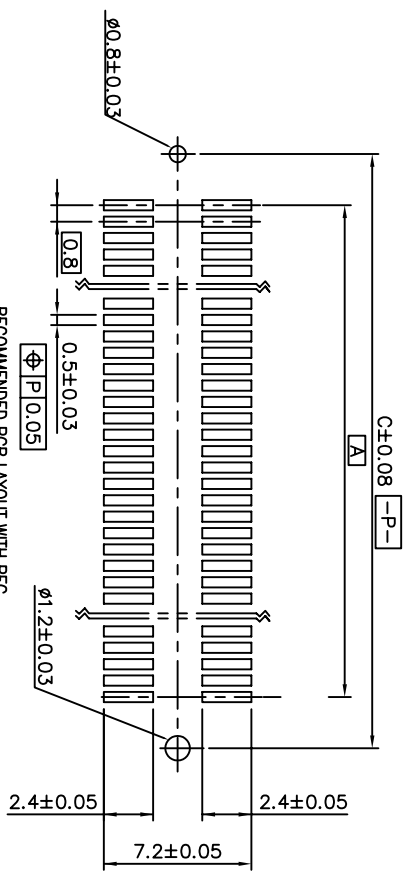
RECEPTACLE 3

mat'l. code				surface		tolerance	projection		product family		
lfr	ecn no	dr	date	tolerances unless otherwise specified					BERGSTAK		
R				angles		X±0.20			0.8mm BOARD TO BOARD		
S	S07-0166	MCH	2007-05-16	0°±2'		XX±0.15	MM		RECEPTACLE ASSY		
				dr		XXX±0.10	scale 3:1		dwg no		
				engr		1999-03-26			sheet 5 of 6 size		
				chl		1999-03-26			61082		
				M.CHEONG		2007-05-16			A4		
sheet	revision			index				type		CUSTOMER Drawing	

FOR RECEPTACLE 2/3



FOR NO. OF POSITION 2X20, 2X30, 2X40, 2X50, 2X60



FOR NO. OF POS. 2X70, 2X80, 2X90, 2X100

mat'l. code				surface		tolerance		projection		product family	
lfr	ecn	no	dr	date	tolerances unless otherwise specified					title	
P					angles	XX±0.20	MM			0.8mm BOARD TO BOARD RECEPTACLE ASSY	BERGSTAK
R	S07-0166	MCH	2007-08-16		XX±0.15						
S	S07-0416	MCH	2007-11-22	0 ± 2°	XX±0.10						
					dr	MAGGIE_WU	1999-03-26			dwg no	sheet 6 of 6 size
					enfr	YU_WEN_CHU	1999-03-26			61082	A4
					chf	M.CHEONG	2007-11-22			CUSTOMER Drawing	
					oppd	JOEY_NG	2007-11-22				
sheet	revision										
index	sheet										