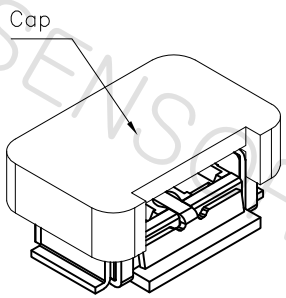
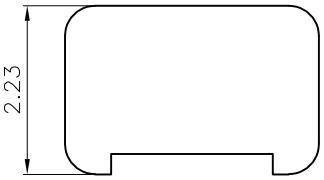
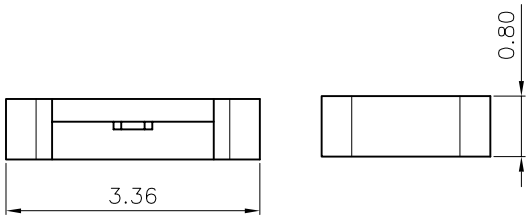
REVISION		
NO.	CHANGE CONTENTS	CHANGE CAUSE

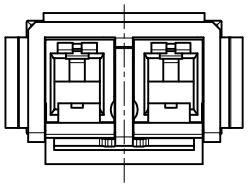


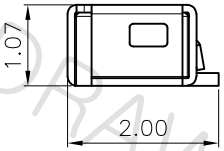
Cap Assembly

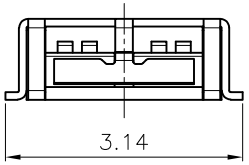


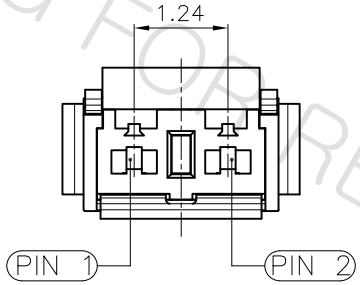


Cap Drawing









NOTES:
1. THIS RECEPTACLE IS PAIRED WITH A PLUG FROM THE MG215M SERIES

2. RECEPTACLE MATERIAL
   2.1. HOUSING : Zn (Ni-Plated)
   2.2. SHELL : STS (Ni-Plated)
   2.3. C-CLIP : YCUT (Au-Plated)
   2.4. INSULATOR : LCP

3. PIN ASSIGNMENT
   PIN 1 ⟷ SIGNAL 1
   PIN 2 ⟷ SIGNAL 2

4. TOLERANCE

ANGLE		±3°
LINEAR	UP TO 6	±0.2
	OVER 6 UP TO 30	±0.3
	OVER 30 UP TO 120	±0.5

lead-free

RoHS COMPLIANT

No.	PART NO.	DESCRIPTION	Q'TY	MATERIAL	REMARKS	REV.
MATERIAL	*SEE NOTE.2	DRAW: JK.Choi	DESIGN:	CHECK: DH.Kang	APPRO.: SC.Cho	TITLE: RECEPTACLE
FINISH	*SEE NOTE.2	21.11.02		21.11.02	21.11.02	
TOLERANCE	Decimal / Angle: *SEE NOTE.4					P/N: MG215MRE02
SCALE	10/1 UNIT mm	MODEL: MG215M				SENSORVIEW A4
REVISION	DRAFT SHEET 1/3					

REVISION		
NO.	CHANGE CONTENTS	CHANGE CAUSE

No.	Parameter	Unit	Specification
1	Item		MG215M Receptacle
2	Applicable country		Korea
3	Environmental Conditions		Indoor
4	Operating frequency range	GHz	DC ~ 15
5	Connector type		Vertical type
6	Weight (Ass'y)	g	about 0.02
7	Impedance	Ω	50 (Typ.)
8	Insertion Loss	dB	See MG215M Plug Cable Assembly Specification
9	VSWR [Return Loss]	dB	1.43:1 [−15.00dB] (Max.) < With MG215M Plug Cable Assembly >
10	Crosstalk	dB	−50 (Max.) < With MG215M Plug Cable Assembly >
11	Contact Resistance	mΩ	Center / Outer 40 (Max.) < With MG215M Plug Cable Assembly >
12	Insulation Resistance	MΩ	500 < With MG215M Plug Cable Assembly >
13	Dielectric voltage−withstand	V	100 < With MG215M Plug Cable Assembly > AC / 60 sec / 5mA
14	Rated Voltage	Vrms	85 < With MG215M Plug Cable Assembly >
15	Durability	Cycle	TBD
16	Mating Force	N•m	TBD
17	De−Mating Force		TBD
18	Operating Temperature	℃	−40 ~ 85
19	Storage Temperature	℃	−40 ~ 110
20	Salt Spray (Corrosion)		MIL−STD−202G, Method 101, Condition B
21	Thermal Shork		MIL−STD−202G, Method 107, Condition B1
22	High/Low Temperature		EIA−364−17
23	Vibration		MIL−STD−202G, Method 204, Condition A
24	Moisture Resistance		MIL−STD−202G, Method 106

Pb lead-free

RoHS COMPLIANT

No.	PART NO.	DESCRIPTION	Q'TY	MATERIAL	REMARKS	REV.
MATERIAL	*SEE NOTE.2					
FINISH	*SEE NOTE.2					
TOLERANCE	Decimal / Angle					
	*SEE NOTE.4					
SCALE	10/1 UNITmm					
REVISION	DRAFT SHEET 2/3					

DRAW	DESIGN	CHECK	APPRO.
JK.Choi		DH.Kang	SC.Cho
21.11.02		21.11.02	21.11.02

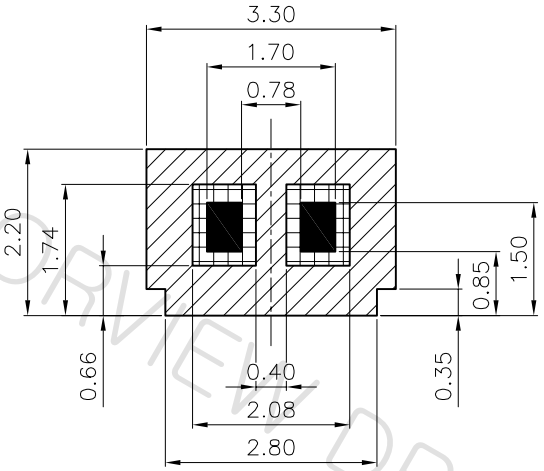
MODEL	MG215M

TITLE	RECEPTACLE
P/N	MG215MRE02

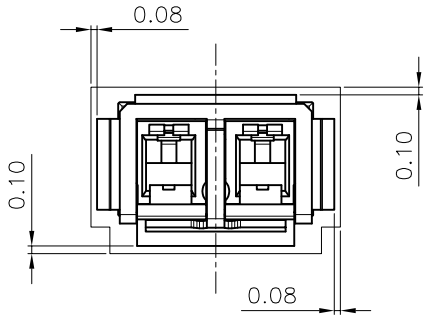
SENSORVIEW

A4

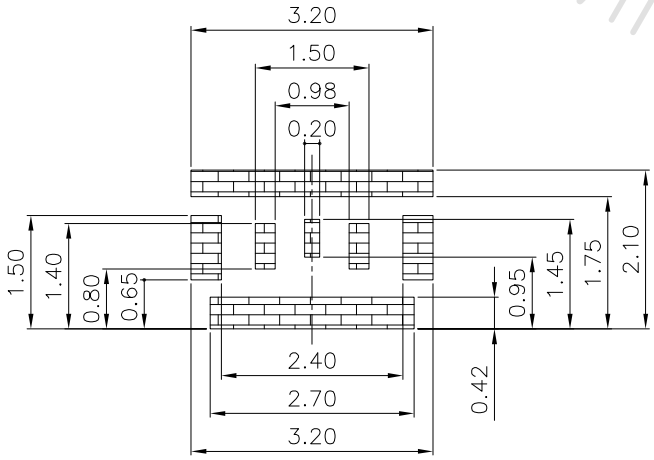
REVISION		
NO.	CHANGE CONTENTS	CHANGE CAUSE



RECOMMENDED FOOTPRINT PATTERN



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



METAL MASK
THICKNESS 0.05

GROUND CONTACT
SIGNAL CONTACT
NO GROUND
METAL MASK

No.	PART NO.	DESCRIPTION	Q'TY	MATERIAL	REMARKS	REV.

MATERIAL	N/A	DRAW	DESIGN	CHECK	APPRO.	TITLE: RECOMMENDED PCB LAYOUT
FINISH	N/A	JK.Choi		DH.Kang	SC.Cho	
TOLERANCE	Decimal / Angle: ±0.02	21.11.02		21.11.02	21.11.02	P/N: MG215MRE02
SCALE	10/1 UNIT mm	MODEL	MG215M			SENSORVIEW A4
REVISION	DRAFT SHEET 3/3					

Pb lead-free

RoHS COMPLIANT