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REVISION

NO.

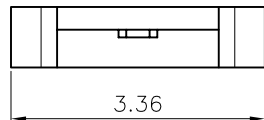
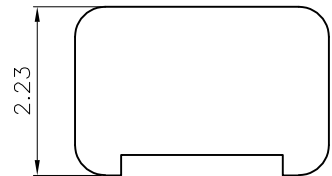
CHANGE CONTENTS

CHANGE CAUSE

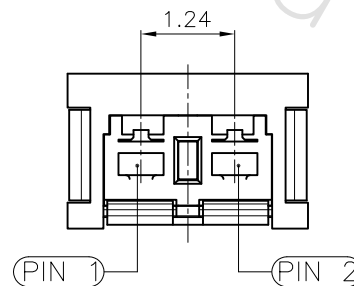
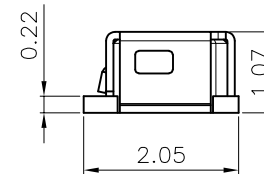
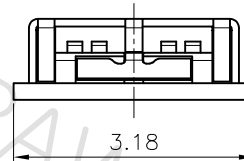
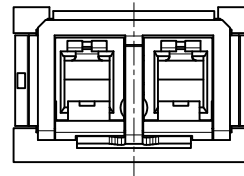
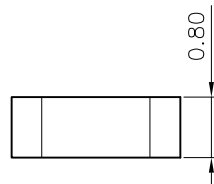
Pin 1 indicator

Cap

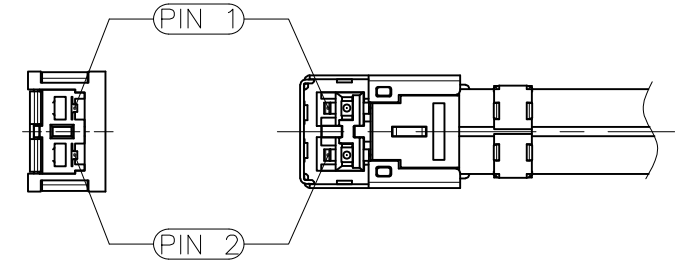
Cap Assembly



Cap Drawing



Scale 5:1



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

No.	PART NO.		DESCRIPTION				Q'TY	MATERIAL	REMARKS	REV.
MATERIAL	*SEE NOTE.2		DRAW	DESIGN	CHECK	APPRO.	TITLE RECEPTACLE P/N MG215MRE02			
FINISH	*SEE NOTE.2		JK.Choi		DH.Kang	SC.Cho				
TOLERANCE	Decimal	Angle								
	*SEE NOTE.4		22.10.31		22.10.31	22.10.31				
SCALE	10/1	UNITmm								
REVISION	DRAFT	SHEET	1/3	MODEL	MG215M					



SENSORVIEW

A4

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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	Return Loss	dB	-15.0dB (Max.) < With MG215M Plug Cable Assembly >
10	Crosstalk	dB	-50 (Typ.) < With MG215M Plug Cable Assembly >
11	Contact Resistance	m Ω	Center / Outer 40 (Max.) < With MG215M Plug Cable Assembly >
12	Insulation Resistance	M Ω	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	20 (Max.)
16	Mating Force	N•m	30 (Max.)
17	De-Mating Force		5 (Min.), After Test : 3 (Min.)
18	Operating Temperature	℃	-40 ~ 85
19	Storage Temperature	℃	-40 ~ 110
20	Salt Spray (Corrosion)		MIL-STD-202G, Method 101, Condition B
21	Thermal Shock		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

No.	PART NO.		DESCRIPTION				Q'TY	MATERIAL	REMARKS	REV.		
MATERIAL	N/A		DRAW	DESIGN	CHECK	APPRO.	TITLE RECEPTACLE SPECIFICATION					
FINISH	N/A		JK.Choi		DH.Kang	SC.Cho						
TOLERANCE	Decimal	Angle	22.10.31				P/N	MG215MRE02				
	N/A									22.10.31	22.10.31	22.10.31
SCALE	10/1	UNITmm		MODEL		MG215M				SENSORVIEW		A4
REVISION	DRAFT	SHEET	2/3									



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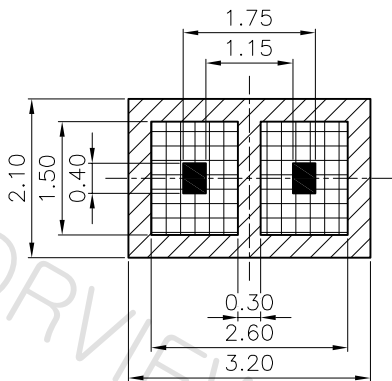
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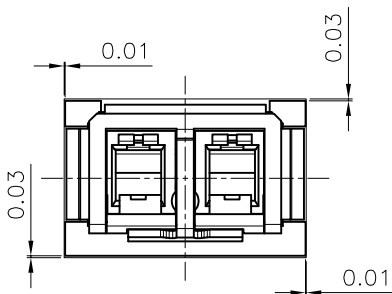
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CHANGE CONTENTS

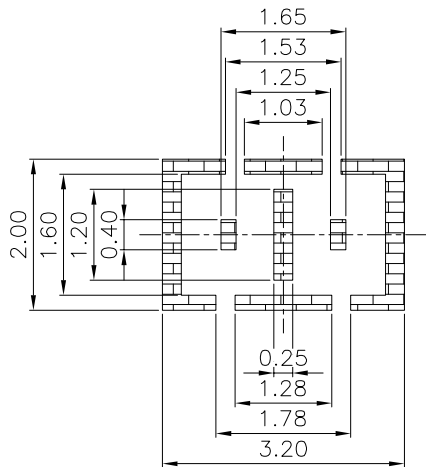
CHANGE CAUSE



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		22.10.31		22.10.31	22.10.31	P/N MG215MRE02			
	±0.02										
SCALE	10/1	UNITmm		MODEL	MG215M			 SENSORVIEW			A4
REVISION	DRAFT	SHEET	3/3								

