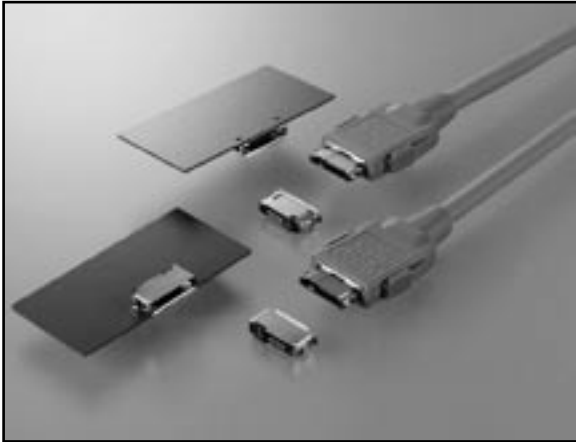


RA1 SERIES CONNECTORS

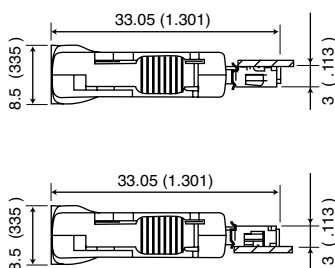
0.5mm (.020") Contact Spacing, EMI Shielded, PCB-to-Cable Connectors



FEATURES

- Signal contacts for high speed transmission per USB1.1
- First-to-mate-last-to-break contacts
- Coaxial contact in receptacle compatible with operating frequency up to 2.2GHz
- One touch locking for ease in operation
- 3.0mm (.118") mounted on board (plane portion)
- Metal shell provides shielding against EMI and static electricity
- Receptacle is available in embossed tape for automatic mounting

Connector Profile (Ref.)



The RA1 Series is an integrated connector incorporating signal and coaxial contacts, compliant with the requirements for IMT-2000 mobile phones.

GENERAL SPECIFICATIONS

Number of Contacts	3, 10, 11 (including 1 coax)
Contact Spacing	0.5mm (.020")
Current Rating	C/T No. 1, 4, 5, 6, 10: 1.0 ADC Other terminals: 0.5 ADC
Dielectric Withstanding Voltage	300 VAC r.m.s. (for one minute) signal 100 VAC r.m.s. (for one minute) signal
Insulation Resistance	1000 megohms min.
Contact Resistance	50 milliohms max.
Operating Temperature	-25°C to +70°C
V.S.W.R.	1.5 max (up to 2.2 GHz)
Connection loss	0.5dB max. (up to 2.2 GHz)
Applicable wire size	#28 AWG max. signal equivalent to 1.5D coax

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	9T Nylon
Contact	Copper Connecting area: Gold flash over Palladium Nickel over Nickel Terminal area: Tin-Lead over Nickel
Shell	Stainless Steel/ Tin Plated

ORDERING INFORMATION

Series	RA1	*	*	**	*	1	*
Contact type	P	R					
Mounting Type	0	1	3				
No. of Contacts	3, 10, 11 (with coax)						
Termination	F	H					
Contact Finish	1						
Modification	0	1	2				

P – Plug
 R – Receptacle
 0 – Standard (reverse)
 1 – Standard
 3 – Standard (short plug)
 F – Cable plug
 H – Right angel receptacle
 1 – Connecting area: Gold over Nickel
 Terminal area: Tin-Lead plated
 0 – Without coax
 1 – Detection
 2 – Mechanical switch

* Please consult JAE for verification of product availability.

Dimensions in mm (inches).