

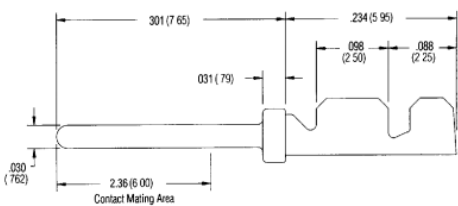
Datasheet

RS Female Crimp D-sub Connector Contact, Gold, Tin Plated, 28 → 24 AWG

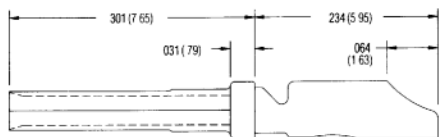
RS Stock number [481-487](#)

Dimensions: mm

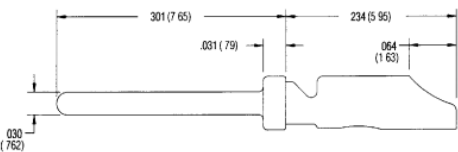
Crimp and Poke-Plug Contact



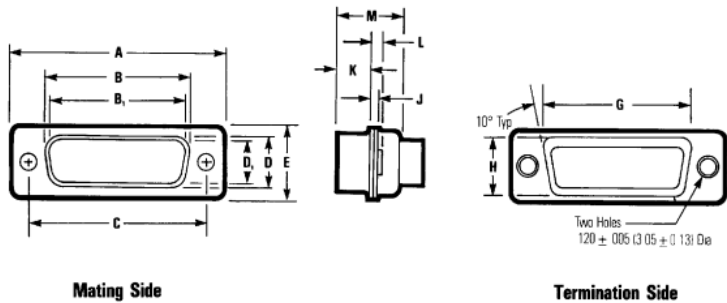
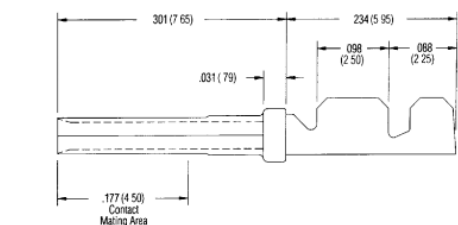
Solder and Poke Socket Contact



Solder and Poke Plug Contact



Crimp and Poke Socket Contact



Dimensions

Shell Size	Connector Type	A ± .015" (0.38mm)		B ± .010" (0.25mm)		B ₁ ± .005" (0.13mm)		C ± .005" (0.13mm)		D ± .010" (0.25mm)		D ₁ ± .010" (0.25mm)		E ± .015" (0.38mm)	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	Plug	1.213	30.81	—	—	.666	16.90	0.984	24.99	—	8.40	.329	—	.494	12.55
	Socket	1.213	30.81	.640	16.26	—	—	0.984	24.99	.308	—	—	7.82	.494	12.55
A	Plug	1.541	39.14	—	—	.994	25.30	1.312	33.32	—	8.40	.329	—	.494	12.55
	Socket	1.541	39.14	.968	24.59	—	—	1.312	33.32	.308	—	—	7.82	.494	12.55
B	Plug	2.088	53.04	—	—	1.534	38.90	1.852	47.04	—	8.40	.329	—	.494	12.55
	Socket	2.088	53.04	1.508	38.30	—	—	1.852	47.04	.308	—	—	7.82	.494	12.55
C	Plug	2.729	69.32	—	—	2.182	55.40	2.500	63.50	—	8.40	.329	—	.494	12.55
	Socket	2.729	69.32	2.156	54.76	—	—	2.500	63.50	.308	—	—	7.82	.494	12.55
D	Plug	2.635	66.93	—	—	2.079	52.80	2.406	61.11	—	11.07	.436	—	.605	15.37
	Socket	2.635	66.93	2.062	52.34	—	—	2.406	61.11	.420	—	—	10.67	.605	15.37

Shell Size	Connector Type	G ± .010" (0.25mm)		H ± .010" (0.25mm)		J ± .010" (0.25mm)		K ± .010" (0.25mm)		L ± .010" (0.25mm)		M ± .010" (0.25mm)	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	Plug	.759	19.28	.422	10.72	.030	0.76	.236	5.99	.045	1.14	.422	10.72
	Socket	.759	19.28	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
A	Plug	1.083	27.51	.422	10.72	.030	0.76	.236	5.99	.045	1.14	.422	10.72
	Socket	1.083	27.51	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
B	Plug	1.625	41.27	.422	10.72	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	1.625	41.27	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
C	Plug	2.272	57.71	.422	10.72	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	2.272	57.71	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
D	Plug	2.178	55.32	.534	13.56	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	2.178	55.32	.534	13.56	.030	0.76	.243	6.17	.045	1.14	.429	10.92

B and D are outside dimensions for socket; B₁ and D₁ are inside dimensions for plug



Features

Available in 5 connector sizes: 15, 26, 44, 62 and 78

Contacts available in two styles:

Style 1 – crimp and poke / Style 2 – solder and poke

Accepts standard D-sub accessories

Indented shell on plug to provide grounding for EMI/FRI

Intermateable with high density D-Sub connectors of comparable pin count

Performance Data

Materials

Insulation material: Black UL84V-0 rated glass filled nylon

Contact Material: Phosphor bronze

Contact Plating:

Option 1 – Gold flash over nickel on entire contact with 30 microinches of gold on mating area

Option 2 – Gold flash over nickel on entire contact

Shell: Material steel plating-Bright tin

Electrical Characteristics

Proof voltage: 1.05 KV DC or AC peak

Working voltage: 350 V DC or AC peak

Individual contact rating: 5.0amps with 22 AWG / 1.5 amps with 28 AWG

Contact resistance: 12 milliohms max

Insulation resistance: 1000 megohms min (between adjacent pins)

Designed to satisfy UL/CSA requirements for safety

Mechanical Characteristics

Durability: withstands min 500 mating/ un-mating cycles

Mating force:

10lb. max. for 15 size

17lb. max. for 26 size

24lb. max. for 44 size

39lb. max. for 62 size

49lb. max. for 78 size

Un-mating force:

0.75lb.min. for 15 size

1.00lb.min. for 26 size

1.75lb.min. for 44 size

2.50lb.min. for 62 size

3.75lb.min. for 78 size

Contact Retention: 5lbs.min

Environmental Characteristics:

Temperature range: -55degC to + 125degC