



**Electrical Characteristics**

Nominal Impedance: 50 ohms  
 Frequency Range: DC to 4 GHz  
 VSWR: 1.3:1 maximum  
 Insertion Loss: 0.2 dB at 3 GHz  
 Operating Voltage (rms): 500 V maximum at sea level  
 Dielectric Withstand Voltage (rms): 1500 V maximum at sea level  
 Contact Resistance: 1.5 milliohms maximum  
 Insulation Resistance: 5000 megohms minimum

**Mechanical Characteristics**

Mating Cycles: 500 cycles minimum  
 Interface Dimensions: Conform to MIL-C-39012

**Environmental Characteristics**

Temperature Range: -65 °C to +165 °C

PART	DESCRIPTION
1	Body Brass, nickel plated 1.78µm
2	Ferrule Brass, nickel plated 1.78µm
3	Contact Brass, gold plated 0.076µm - 0.127µm
4	Dielectric PTFE

Drawing update	JT	5	15 April 10
Measurements updated	KA	4	17 Oct 08
Measurements and drawing updated	KA	3	14 Aug 07
CAD Issue	SN	2	21 Jan 02
First Issue	YL	1	10 June 94

For stripping and assembly instructions see Drawing Number: VAIB3101



**EMERSON**  
Network Power

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SCALE: Not To Scale  
 DIMENSIONS: mm  
 TOLERANCES:  
 ± 0.2mm unless  
 otherwise stated

DRAWN BY: S Nash  
 CHECKED BY: S Nash  
 APPROVED BY: M Nielsen  
 DATE: 21 Jan 02

TITLE:  
**BNC Crimp Jack for RG174**

PART NUMBER:

**VB30-2071**

PAGE: 1 of 1