

853-016-01

**Size #12 Differential Twinax Cable Pin Contact  
For Use with Mighty Mouse and Series 79 Micro-Crimp**



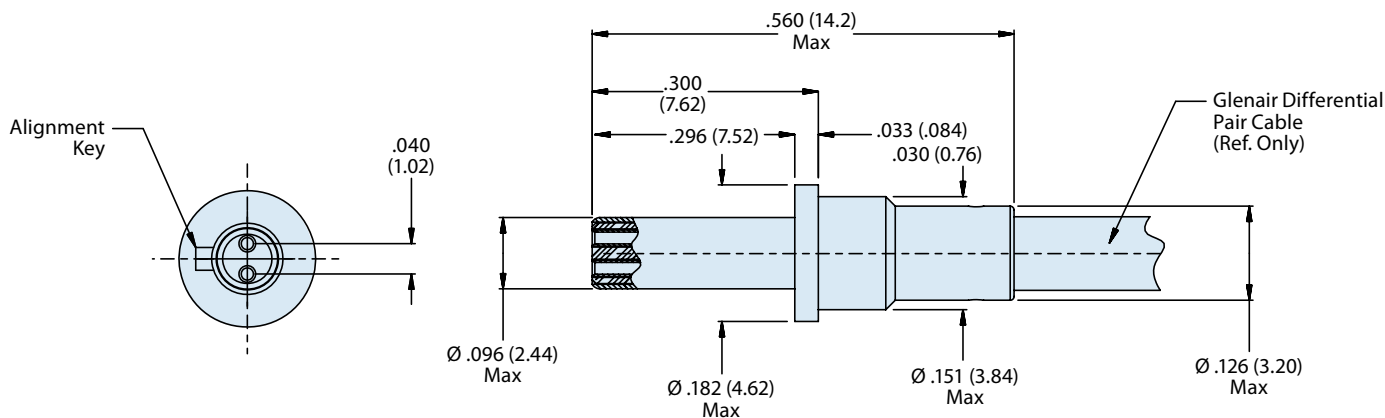
Ultra-Twinax

**SIZE #12 DIFFERENTIAL TWINAX PIN CONTACT FOR MULTI-GIGABIT DATA RATE APPLICATIONS**

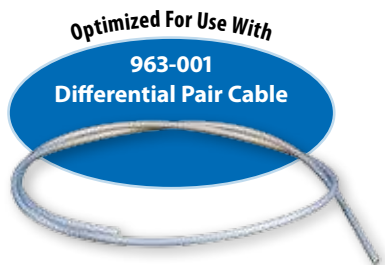


These solder terminated #12 twinax pin contacts accept 100 ohm differential parallel pair data cable. Current rating is 1 Amp. DWV rating is 500 Vac rms sea level, 125 Vac at 70,000 feet. Contacts are packaged individually and shipped unassembled with instruction sheet. One contact consists of outer contact, center contact and crimp sleeve. All contacts are gold-plated copper alloy. 5000 megohm insulation resistance at 200Vdc. Mates with: 853-015-01 (cable socket) and 853-020 -01(PC tail socket). Ideally suited for multi-gigabit data rate applications.

Type	Glenair Part No.	Military Part No.	AWG Wire Size	Cable Accommodation	Impedance	Frequency Range	VSWR	Insertion Loss
Pin	853-016-01	N/A	28	963-001	100-Ohms Nominal	DC to 10 GHz	1.1 + (.03 * F GHz)	1.3 *F GHz



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**Material and Finish**  
 Contact Body: Copper Alloy/Gold Plated  
 Center Contact: Copper Alloy/Gold Plated  
 Crimp Sleeve: Brass or equivalent/Gold Plated

**Electrical Parameters**  
 Differential Impedance: 100-ohms nominal  
 Frequency Range: DC to 10 Ghz  
 VSWR: 1.1+(.03\* F Ghz)  
 Insertion Loss: 1/3\* F Ghz  
 Dielectric Withstanding Voltage: 500 Vrms  
 Insulation Resistance: 5000 Megohms minimum

**Notes**  
 Contact is designed to accommodate Glenair P/N 963-001 cable.  
 For assembly instructions, see A185014  
 Pin mates with cable socket contact 853-015-01 and PC tail socket 853-020-01  
 For use in Glenair Series 80 Mighty Mouse and Series 79 Micro-Crimp connectors only.