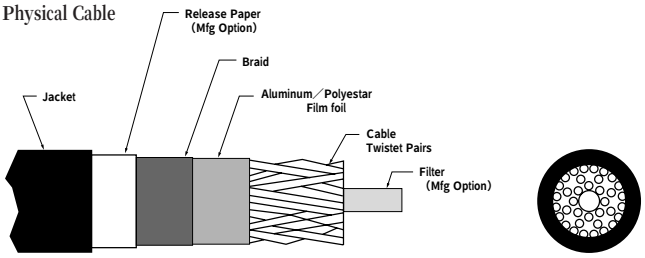
ミニチュアデルタリボン（MDR）システム

参考 IEEE1284のケーブルと布線表について

IEEE1284　Compliant Cable

The connecting cable shall consist of 18 pairs of signal wires and shall be double-shielded (both braid and foil).

Physical Cable



Cable assemblies shall meet the following characteristics:

a) The minimum conductor size shall be 0.08042 square mm (28AWG).

b) The characteristic unbalanced impedance of each signal and ground pair shall be 62±6ohms, over the frequency band of 4to 16MHz.

c) The unbalanced capacitance of each cable pair shall not exceed 107pF per meter at 1MHz.

d) The maximum DC resistance of each cable wire shall be 0.22Ω/m at 20°C.

e) Maximum end -to-end attenuation shall not exceed 1.5dB at 5MHz.

f) The maximum propagation delay of the cable shall be 58ns.

g) The maximum propagation delay difference between any two signal pairs shall be 2.5ns.

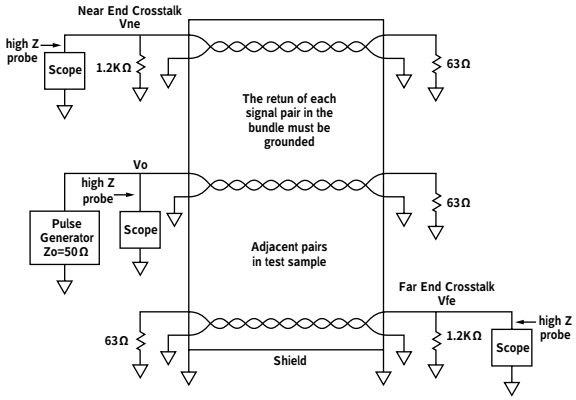
h) The maximum zero to peak crosstalk noise (both near end and far end) shall be as 10% measured with a 5.0ns rise/fall 2MHz square wave with each pair (source and victim) terminated in its characteristic impedance at both ends.

i) The cable shall have a minimum of 85% optical braid coverage over the foil.

j) The cable shield shall be connected to the connector backshell using a 360 degree concentric method. A pigtail type connection is not acceptable.

k) Each signal pair shall be twisted at least 36 turns/m.

Crosstalk Measurement Technique

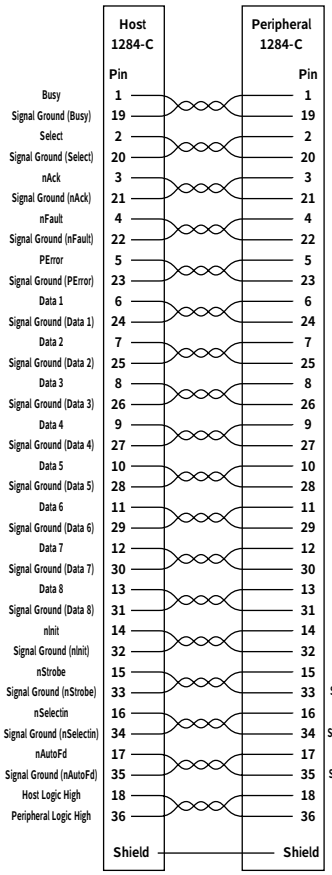


Signal Generator Characteristics	of=2MHz
	duty cycle=50%
	Vo=0 to 5Volts into cable
	T_R=5ns
	T_F=5ns
Measurements	V_{NE}=MAX Voltage(zero to peak)
	V_{FE}=MAX Voltage(zero to peak)
	Crosstalk$_{NE}$= | V_{NE}(MAX)/Vol
	Crosstalk$_{FE}$= | V_{FE}(MAX)/Vol

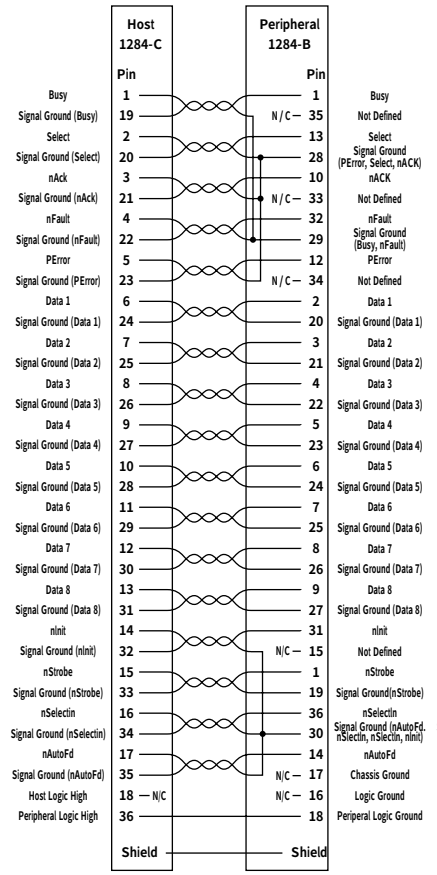
Cable assemblies which meet these requirements shall be clearly and permanently labeled "IEEE 1284-19XX compliant,"to distinguish them from cables having the same type of connectors but different electrical characteristics.

Wiring Diagram

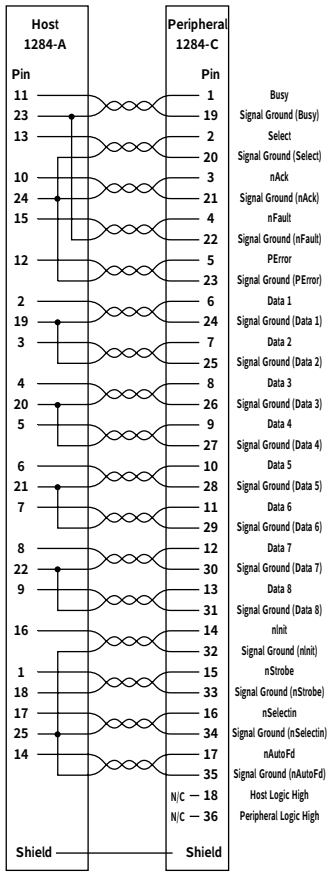
1284-C (Host) to 1284-C (Peripheral)



1284-C (Host) to 1284-B (Peripheral)



1284-A (Host) to 1284-C (Peripheral)



ミニチュアデルタリボン（MDR）システム

参考 ノンシールドシェルパーツ（ライトアングル型）組み合わせ一覧表

本製品はMDRノンシールドシェルパーツとラッチやジャックスクリュー等のロックパーツを別売りにした製品です。従来のシェルキットとしての販売とは異なるため、下記の組み合せ表を参照のうえ、パーツ型番でご発注ください。

表中の数字は必要なパーツ製品の個数を示しております。なお、この表中で「103XX-」の型番（表中左欄）は各パーツを組み合わせた便宜上の型番ですので正式にはパーツ型番「106XX-」「3342-XX」をご使用ください。

（本カタログはG35～G38ページ関連）

	SHELL（60ANGLE）				LOCKING PARTS			
	φ8 WITHOUT GROUND PLATE 10640-4500-008	φ8 WITH GROUND PLATE 10640-5500-008	φ12 WITHOUT GROUND PLATE 106XX-4600-△08	φ12 WITH GROUND PLATE 106XX-5600-△08	JACK SCREW L30 3342-20	JACK SCREW L26 3342-22	LATCH 10600-L0F0-8	JACK SCREW WITH STOPPER 3342-26
103XX-46A0-△08			1		2			
103XX-46K0-△08			1			2		
103XX-46F0-△08			1				2	
103XX-46S0-△08			1					2
103XX-46S0-△08-F			1				1	1
103XX-56A0-△08				1	2			
103XX-56K0-△08				1		2		
103XX-56F0-△08				1			2	
103XX-56S0-△08				1				2
103XX-56S0-△08-F				1			1	1
10340-45A0-008	1				2			
10340-45K0-008	1					2		
10340-45F0-008	1						2	
10340-45S0-008	1							2
10340-45S0-008-F	1						1	1
10340-55A0-008		1			2			
10340-55K0-008		1				2		
10340-55F0-008		1					2	
10340-55S0-008		1						2
10340-55S0-008-F		1					1	1

注記／NOTES

1．XXは極数を示す。（例）20：20極数

1．△は誤挿入防止キータイプを示す。（20極のみ）（例）M：タイプM