

High Density 0.033" Cable Pitch

96 way 'C' Body DIN41612
Class III



- Mates with standard headers
- Will interconnect fully populated 96 way 'C' body
- One shot IDC technique, uses special 0.033" pitch 96 way cable

Note: This connector can only be used with 0.033" pitch ribbon cable, Order Code 153-461, see **BELOW**

Working voltage 150V
Contact rating 1A
Mating cycles 50

Housing Grey PBT **UL94V-0**
Contacts Phosphor bronze gold over nickel plated

Mfrs. List No. FNS-13-096-0000BS

C164

		Price Each			
Order Code		1+	50+	100+	500+
'C' body a+b+c loaded		151-009			

Grey 0.033" Pitch Cable 96 Way



- Use with YAIMAICHI DIN41612 IDC connector 'C' body 96 way fully populated
- Flame retardant PVC insulation
- Red edge denotes the first conductor

Wire gauge 30 AWG, 7/0.1mm
Temperature rating -20°C to +105°C
Voltage rating 150V
Current rating 0.5A

Impedance 89Ω
Capacitance 65pF/m
Inductance 0.48μH/m
Propagation Delay 4.9ns/m

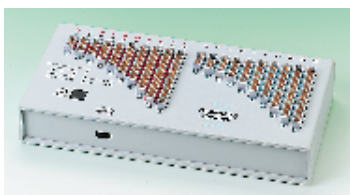
Mfrs. List No. TFC30-96C/0.847

C165

Cut Lengths in Metres		Price Per Metre	30.5m Reels	
No. of Conductors	Order Code		Order Code	Price Per Reel
96	153-461	1+	157-880	

Standard Density IDC 0.05" Cable Pitch

0.05" Ribbon Cable Checker
Microprocessor Controlled



- Easy to use, Programmable
- Microprocessor controlled
- Lightweight
- Cables fitted with 10 to 64 way headers can be checked
- Pass and Fail LED's
- Allows fault finding or quick checking of large numbers of IDC cable assemblies

C1345

		Price Each		
Order Code		1+	3+	
IDC Cable Check		154-271		

Scotchflex™ Interconnect



- An intermatable range of socket and headers
- Approvals, **BT224 Code T**, on Class II connectors
- Meets design criteria of **DIN41651**, **BS9525**, **F0023**, **F0026** and **MIL-C-83503**

Sockets. The cable mounted sockets are selected under 3 criteria.
Contact plating Class II or III: II = 200 cycles, III = 100 cycles.
Strain relief: yes or no
Polarisation: Bump/Click or just Click

All cable mounted sockets are open end style which allows "daisy chain" cable assemblies.

Headers. All board mounted headers accommodate both bump and click polarisation. There are three types of header:-

- Long latch, for use with sockets with strain relief
- Short latch, for use with sockets without strain relief
- Low profile, no latches for use with all socket types

Board mounted headers can have straight or right angle solder tails.

There is a single range of cable mounted headers with mounting lugs in Class II plating. **Transition Connectors.** 2 and 4 row types for soldering into PCBs.

Body

Housing Glass filled polyester (PBT)
Flammability **UL94V-0**
Colour Grey

Sockets

Contact material IDC U slot/under plate
Wiping contact Cycles

Boardmount Sockets

Contact material Under plate
Wiping Area Solder tail Cycles

Headers

Contact material Under plate
Contact area Solder tail Cycles

Class II
Beryllium copper (C172)
1.27μm Nickel
0.76μm gold
200

Class II
Copper Alloy
2μm Nickel
0.3μm Gold
Tin lead
200

Phosphor bronze (C510)
2.54μm Nickel
0.76μm gold
5.08μm 60/40 tin lead
200

Class III
Phosphor bronze (C510)
1.27μm Nickel
0.76μm gold
100

Class III

Phosphor bronze (C510)
2.54μm Nickel
0.10μm gold
5.08μm 60/40 tin lead
100

Electrical specification

Current rating (all contacts simultaneously) 1A @ 70°C
Insulation resistance > 1 10⁹Ω at 500V dc
Withstanding voltage 1000V rms at sea level
Operating voltage 350V dc or ac peak
Contact resistance <20mΩ after conditioning
Operating temperature -55°C to +105°C

PCB

Maximum thickness 1.6mm
Hole diameter 0.89 ±0.08mm
Pin spacing 2.54mm (0.1")

C103

Female Socket (with & without strain relief)



Class II



Bump/Click polarisation 525-390



Bump/Click polarisation 468-034

BT224 Code T approved.

C1102

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Bump/Click Polarisation (with strain relief)						
10	3473-6610	.525-364				
14	3385-6614	.525-376				
16	3452-6616	.525-388				
20	3421-6620	.525-390				
26	3399-6626	.525-406				
30	3419-6630	727-910				
34	3414-6634	.525-418				
40	3417-6640	.525-420				
50	3425-6650	.525-431				
60	3334-6660	.525-443				
64	7964-6564EC	727-921				
Bump/Click Polarisation (without strain relief)						
10	3473-6600	468-010				
14	3385-6600	473-509				
16	3452-6600	468-022				
20	3421-6600	468-034				
26	3399-6600	468-046				
30	3419-6600	727-933				
34	3414-6600	468-058				
40	3417-6600	468-060				
50	3425-6600	468-071				
60	3334-6600	473-510				
64	7964-6500EC	727-945				

Female Socket with separate strain relief



Class III



Bump/Click polarisation

Separate strain reliefs listed below

C1100