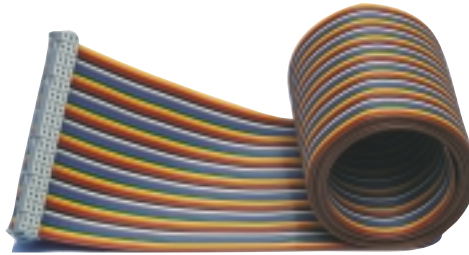# DIGITAL I/O CABLE ASSEMBLY

DESCRIPTION

ICS's Digital I/O Cable Assembly is a convenient way to connect digital signals to ICS's 4803 or 2303 Parallel Digital Interface Cards. The Digital I/O Cable Assembly is a five foot long, open-end flat ribbon cable with a DIN connector crimped at one end. The connector plugs into the female housing on the 4803 and 2303 Parallel Digital Interface Cards. The DIN connector is a 96-pin male connector with three rows of female sockets. Outside rows A and C make contact with the 64-conductor flat ribbon cable.

Easy Connection

The Digital I/O Cable Assembly uses rainbow colored wires that can be easily peeled apart and connected to another connector. They work well when soldered, when used with insulation displacement connectors or crimped onto another DIN connector. Cable colors and pin numbers are shown in Table 1.

Digital I/O Cable Assembly

Use with 4803/2303

The 4803/2303 Instruction Manual includes the cable wire colors in the signal-pin assignment tables. Just add your connector pin numbers and you have your wiring diagram.

- Digital I/O Cable Assembly plugs into 4803 and 2303 Interface Cards. *Saves cost of building your own cable.*

- Rainbow colored wires. *Easy signal identification.*

- Can be soldered, crimped or used with insulation displacement connectors. *Easy connector attachment.*

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TABLE 1   Signal-Pin Assignments

Pin	Wire Color	Pin	Wire Color
A1	RED 1	C1	BRN 1
A2	YEL 1	C2	ORG 1
A3	BLU 1	C3	GRN 1
A4	GRY 1	C4	VIO 1
A5	BLK 1	C5	WHT 1
A6	RED 2	C6	BRN 2
A7	YEL 2	C7	ORG 2
A8	BLU 2	C8	GRN 2
A9	GRY 2	C9	VIO 2
A10	BLK 2	C10	WHT 2
A11	RED 3	C11	BRN 3
A12	YEL 3	C12	ORG 3
A13	BLU 3	C13	GRN 3
A14	GRY 3	C14	VIO 3
A15	BLK 3	C15	WHT 3
A16	RED 4	C16	BRN 4
A17	YEL 4	C17	ORG 4
A18	BLU 4	C18	GRN 4
A19	GRY 4	C19	VIO 4
A20	BLK 4	C20	WHT 4
A21	RED 5	C21	BRN 5
A22	YEL 5	C22	ORG 5
A23	BLU 5	C23	GRN 5
A24	GRY 5	C24	VIO 5
A25	BLK 5	C25	WHT 5
A26	RED 6	C26	BRN 6
A27	YEL 6	C27	ORG 6
A28	BLU 6	C28	GRN 6
A29	GRY 6	C29	VIO 6
A30	BLK 6	C30	WHT 6

Physical

Length	Five feet (152 cm)
Wire Colors	Standard color code: BRN thru BLK repeating seven times.
Insulation	PVC, Flame Retardant VW -1
Wire gage	28 AWG, 7 strand
Capacity	1 A nominal at 10 °C
Rating	300 volts
Pitch	0.050 inch
Connector	96-pin, 3-row male DIN Rows A and C used Row B not connected
Temperature	-20 °C to + 105 °C

ORDERING INFORMATION   Part Number

Digital I/O Flat Ribbon Cable Assembly, five freet long.   112343