

Standard Density IDC 0.05" Cable Pitch — Continued

BT224 Type IDC Connectors

- Complies with **BS9525 F0026 type B**
- Meets dimensional requirements of various standards, including: **BT224, BS9525 F0023, NFC93-428 (HE10), MIL-C-83503 and DIN41651**
- Bump polarised female sockets used with the clip polarised header give bump and clip polarisation

Housing	Glass filled PBT polyester (Grey) UL94V-0
Contact material	Brass
Contact plating	Hard acid gold
Mechanical endurance	100 cycles (class III) 200 cycles (class II)
Operating temperature	-40°C to 105°C (limited by cable only)
Max PCB thickness (mounting header pins)	2.4mm
PCB pin spacing (headers)	0.1" (2.54mm)
PCB hole size (headers)	0.9mm
Dielectric withstanding voltage (sea level)	1050V min dc or ac peak
Current rating (all contacts simultaneously)	1A @ 60°C
Voltage rating	350V dc or ac peak
Contact resistance, mated (after conditioning)	<20mΩ
Insulation resistance (initially)	10 ⁹ Ω

Specifications common to all BT224 Type IDC connectors unless otherwise stated.

C17

Female Socket Connectors (with strain relief) Class II

HARTING



Bump/Clip polarisation 248-988 Clip polarisation 249-063

C180

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
Bump/Clip Polarisation						
10	0918-510-6813	.248-964				
14	0918-514-6813	.248-976				
16	0918-516-6813	.248-988				
20	0918-520-6813	.248-990				
26	0918-526-6813	.249-002				
34	0918-534-6813	.249-014				
40	0918-540-6813	.249-026				
50	0918-550-6813	.249-038				
Clip Polarisation						
10	0918-510-6815	.249-040				
14	0918-514-6815	.249-051				
16	0918-516-6815	.249-063				
20	0918-520-6815	.249-075				
26	0918-526-6815	.249-087				
34	0918-534-6815	.249-099				
40	0918-540-6815	.249-105				
50	0918-550-6815	.249-117				

Male PCB Mounting Headers (with latches) Class II

HARTING



Vertical PCB mounting 249-129 Right angle PCB mounting 249-210
Mounting holes accept M2.5 bolts or No. 4 self tappers

C181

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
Straight PCB Pins (Bump or Clip Polarisation)						
10	0918-510-6904	.249-129				
14	0918-514-6904	.249-130				
16	0918-516-6904	.249-142				
20	0918-520-6904	.249-154				
26	0918-526-6904	.249-166				
34	0918-534-6904	.249-178				
40	0918-540-6904	.249-180				
50	0918-550-6904	.249-191				

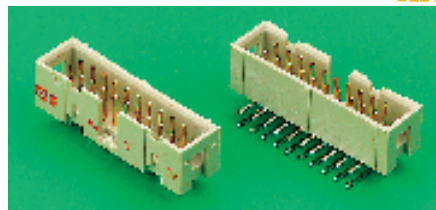
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No. of Ways	Mftrs. List No.		Price Each			
			1+	25+	50+	100+
90° PCB Pins (Bump or Clip Polarisation)						
10	0918-510-6903	.249-208				
14	0918-514-6903	.249-210				
16	0918-516-6903	.249-221				
20	0918-520-6903	.249-233				
26	0918-526-6903	.249-245				
34	0918-534-6903	.249-257				
40	0918-540-6903	.249-269				
50	0918-550-6903	.249-270				
Polarisation Keys (Pair)						
	0918-500-9902	.249-282				

Order polarisation keys separately 10 and 14 way require 1, 16 to 50 way require 2 (1 pair)

Male PCB Mounting Headers (low profile) Class II

HARTING



Straight Pins 90° Pins
H = 8.9mm, D = 9.2mm H = 9.2mm, D = 8.9mm

- A range of straight and right angled box headers
- Fully shrouded, bump polarised

Dimensions No. of Ways	10	14	16	20	26	34	40	50
	Length	20.3	25.4	27.9	33.0	40.6	50.8	58.4

C1219

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Straight PCB Pins						
10	0918-510-6324	864-687				
14	0918-514-6324	864-699				
16	0918-516-6324	864-705				
20	0918-520-6324	864-717				
26	0918-526-6324	864-729				
34	0918-534-6324	864-730				
40	0918-540-6324	864-742				
50	0918-550-6324	864-754				
90° PCB Pins						
10	0918-510-6323	864-766				
14	0918-514-6323	864-778				
16	0918-516-6323	864-780				
20	0918-520-6323	864-791				
26	0918-526-6323	864-808				
34	0918-534-6323	864-810				
40	0918-540-6323	864-821				
50	0918-550-6323	864-833				

Female Sockets (with & without Strain Relief) Class III

HARTING



Mftrs' List No.
Sockets without strain relief 0918 5XX 7803 Where XX denotes number of ways
Sockets with strain relief 0918 5XX 7813

C1364

No. of Ways	Order Code	Price Each			
		1+	25+	50+	100+
Sockets Without Strain Relief					
6	302-2109				
10	302-2110				
14	302-2122				
16	302-2134				
20	302-2146				
26	302-2158				
34	302-2160				
40	302-2171				
50	302-2183				
60	302-2195				
64	302-2201				

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