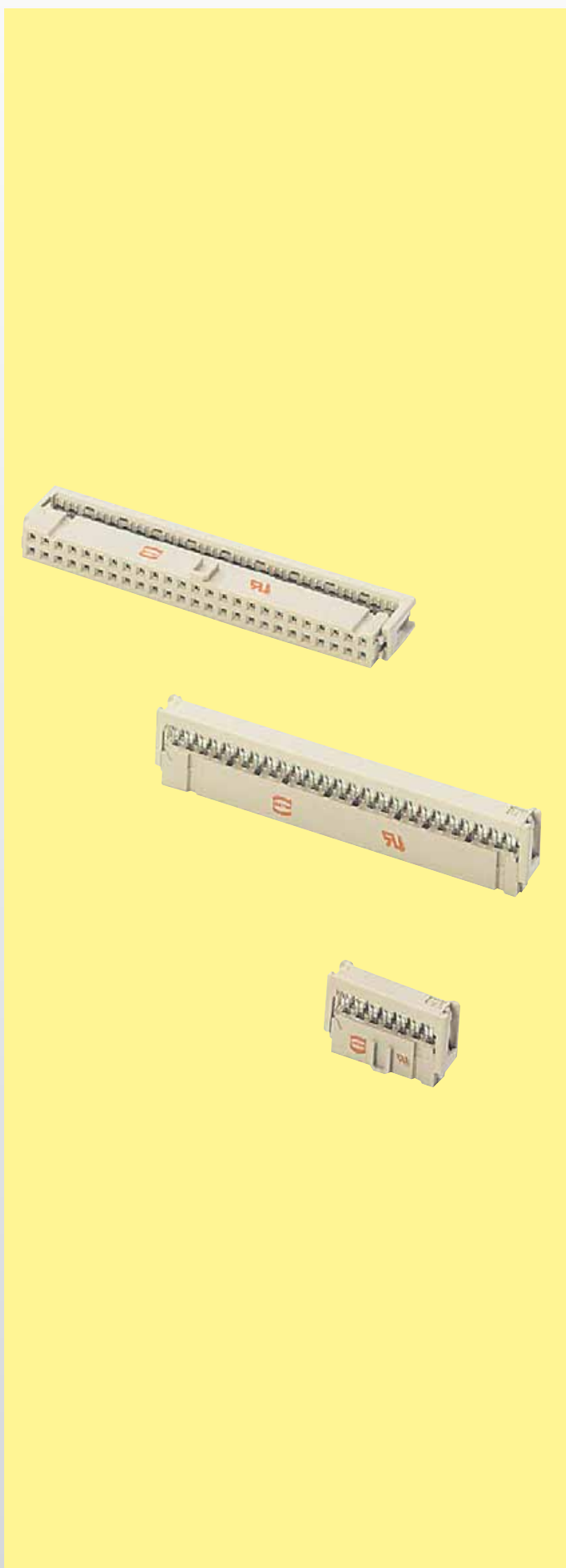




EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Number of contacts	6, 10, 14, 16, 20, 26, 30*, 34, 40, 50, 60, 64
Approvals	IEC 60 603-13 DIN EN 60 603-13 D 2632 BT 224 NFC 93-428 (HE 10) UL recognized: E102079 CSA: 98267 comply with MIL-C 83 503
Pitch	2.54 mm [0.100"]
Working current	1 A
Test voltage $U_{r.m.s.}$	1 kV
Contact resistance Insulation resistance	$\leq 20 \text{ m}\Omega$ $\geq 10^9 \Omega$
Temperature range	-55 °C ... + 125 °C The maximum temperature includes heating of contacts and ambient temperature
Terminations	IDC flat cable: AWG 26/7 – AWG 28/7
Materials	
Moulding	Thermoplastic resin (PBTP) UL 94-V0
Contact surface ¹⁾	<u>Contact zone</u> : gold-plated according to performance level ¹⁾ <u>Termination zone</u> : tinned



¹⁾ Performance level 3 as per IEC 603-13, ≥ 50 mating cycles, no gas test
Performance level 2 as per IEC 603-13, ≥ 200 mating cycles, 4 days gas test
as per MIL-C 83 503, $> 0.76 \mu\text{m Au}$ (30 μ inch), other performance levels on request

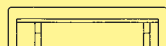
* on request

Number of contacts

6-64



Female connector

Identification	No. of contacts	Part No.		Drawing	Dimensions in mm																																				
Female connector with central polarization without strain relief clamp 	6	09 18 506	┐ 803	09 18 506	┐ 804																																				
	10	09 18 510	┐ 803	09 18 510	┐ 804																																				
	14	09 18 514	┐ 803	09 18 514	┐ 804																																				
	16	09 18 516	┐ 803	09 18 516	┐ 804																																				
	20	09 18 520	┐ 803	09 18 520	┐ 804																																				
	26	09 18 526	┐ 803	09 18 526	┐ 804																																				
	34	09 18 534	┐ 803	09 18 534	┐ 804																																				
	40	09 18 540	┐ 803	09 18 540	┐ 804																																				
	50	09 18 550	┐ 803	09 18 550	┐ 804																																				
	60	09 18 560	┐ 803	09 18 560	┐ 804																																				
	64	09 18 564	┐ 803	09 18 564	┐ 804																																				
	with strain relief clamp 	6	09 18 506	┐ 813	09 18 506	┐ 814*																																			
		10	09 18 510	┐ 813	09 18 510	┐ 814*																																			
		14	09 18 514	┐ 813	09 18 514	┐ 814*																																			
16		09 18 516	┐ 813	09 18 516	┐ 814*																																				
20		09 18 520	┐ 813	09 18 520	┐ 814*																																				
26		09 18 526	┐ 813	09 18 526	┐ 814*																																				
34		09 18 534	┐ 813	09 18 534	┐ 814*																																				
40		09 18 540	┐ 813	09 18 540	┐ 814*																																				
50		09 18 550	┐ 813	09 18 550	┐ 814*																																				
60		09 18 560	┐ 813	09 18 560	┐ 814*																																				
64	09 18 564	┐ 813	09 18 564	┐ 814*																																					
Female connector without central polarization without strain relief clamp 	10	09 18 510	┐ 805*	09 18 510	┐ 806*																																				
	14	09 18 514	┐ 805*	09 18 514	┐ 806*																																				
	16	09 18 516	┐ 805*	09 18 516	┐ 806*																																				
	20	09 18 520	┐ 805*	09 18 520	┐ 806*																																				
	26	09 18 526	┐ 805*	09 18 526	┐ 806*																																				
	34	09 18 534	┐ 805*	09 18 534	┐ 806*																																				
	40	09 18 540	┐ 805*	09 18 540	┐ 806*																																				
	50	09 18 550	┐ 805*	09 18 550	┐ 806*																																				
	60	09 18 560	┐ 805*	09 18 560	┐ 806*																																				
	64	09 18 564	┐ 805*	09 18 564	┐ 806*																																				
	with strain relief clamp 	10	09 18 510	┐ 815*	09 18 510	┐ 816*																																			
		14	09 18 514	┐ 815*	09 18 514	┐ 816*																																			
		16	09 18 516	┐ 815*	09 18 516	┐ 816*																																			
		20	09 18 520	┐ 815*	09 18 520	┐ 816*																																			
26		09 18 526	┐ 815*	09 18 526	┐ 816*																																				
34		09 18 534	┐ 815*	09 18 534	┐ 816*																																				
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64		09 18 564	┐ 815*	09 18 564	┐ 816*																																				
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For performance level 3 please specify digit
 For performance level 2 please specify digit
 > 0.76 µm Au (30 pinch) on request

7
6
5 *

7
6
5 *

1) Contact number 1
 2) Pitch tolerance: ± 0.1

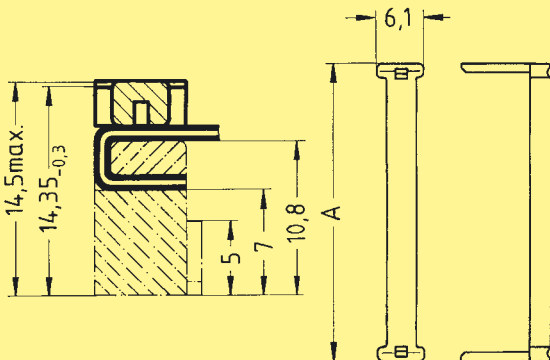
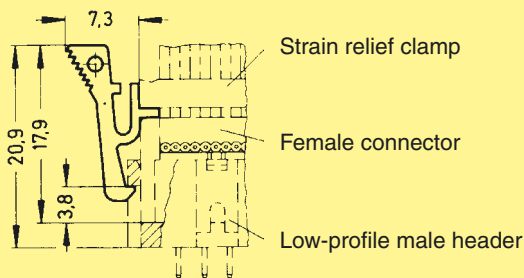
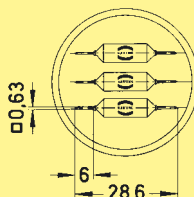
* Not normally kept in stock

Number of contacts

6-64



Strain relief clamp/Locking lever

Identification	No. of contacts	Part No.	Drawing	Dimensions in mm																								
Strain relief clamp	6	09 18 506 9002	<table><tr><th>No. of contacts</th><th>A</th></tr><tr><td>6</td><td>12.2</td></tr><tr><td>10</td><td>17.3</td></tr><tr><td>14</td><td>22.4</td></tr><tr><td>16</td><td>24.9</td></tr><tr><td>20</td><td>30.0</td></tr><tr><td>26</td><td>37.6</td></tr><tr><td>34</td><td>47.8</td></tr><tr><td>40</td><td>55.4</td></tr><tr><td>50</td><td>68.1</td></tr><tr><td>60</td><td>80.8</td></tr><tr><td>64</td><td>85.9</td></tr></table> 	No. of contacts	A	6	12.2	10	17.3	14	22.4	16	24.9	20	30.0	26	37.6	34	47.8	40	55.4	50	68.1	60	80.8	64	85.9	
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10	09 18 510 9002																											
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34	09 18 534 9002																											
40	09 18 540 9002																											
50	09 18 550 9002																											
60	09 18 560 9002																											
64	09 18 564 9002																											
30 contacts on request																												
Locking lever for female connector																												
Only in conjunction with low-profile male header and strain relief When the security of latching is required and space is a premium, these locking levers can be fitted onto the strain relief of the HARTING female connector. This can then be used in conjunction with male low profile headers (see pages 09.12 and 09.13).																												
Coding system with loss of contact																												
To avoid cross-plugging adjacent connectors a coding system is required. A code pin is inserted into the appropriate cavity in the female connector. The corresponding male contact is removed by a special removal tool.																												
Code pin		09 18 000 9901 ²⁾																										
Removal tool for male contacts		09 99 000 0133																										

¹⁾ Order 2 per female connector
²⁾ Part No. comprises 6 code pins