

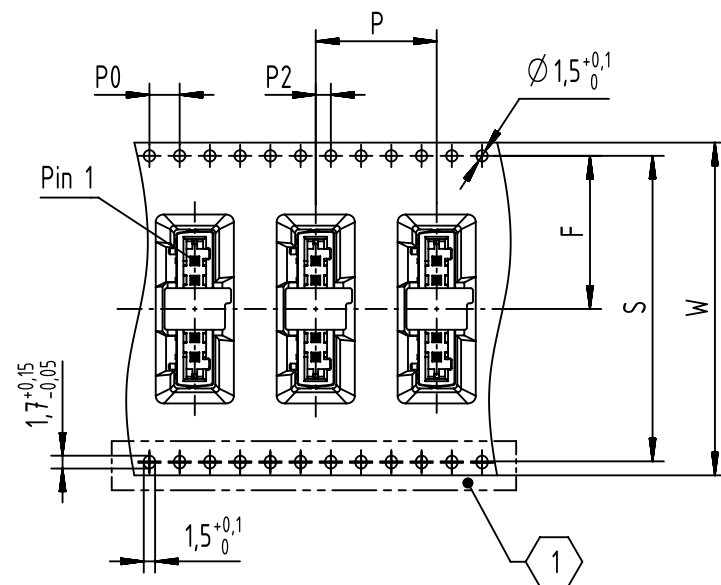
1	2	3	4	5	6	7	8																																																																												
har-flexicon 2.54 PCB male connector, vertical				Application information																																																																															
General information <table><tr><td>Design</td><td colspan="3">PCB male connector, vertical</td></tr><tr><td>No. of contacts</td><td colspan="3">2-12 pole</td></tr><tr><td>Contact pitch</td><td colspan="3">2,54 mm</td></tr><tr><td>Test voltage</td><td colspan="3">2,5 kV</td></tr><tr><td>Rated voltage</td><td colspan="3">160 V overvoltage category III / pollution degree 2 </td></tr><tr><td>Contact resistance</td><td colspan="3">max. 20mOhm</td></tr><tr><td>Insulation resistance</td><td colspan="3">min. 10'Ohm</td></tr><tr><td>Working current</td><td colspan="3">7.3 A at 70°C (tested with AWG20, see derating diagram) </td></tr><tr><td>Temperature range</td><td colspan="3">-40°C ... +125°C</td></tr><tr><td>Termination technology</td><td colspan="3">SMT</td></tr><tr><td>Reflow processing temperature</td><td colspan="3">20s at 255°C</td></tr><tr><td>Clearance & creepage distance</td><td colspan="3">Clearance: 1,5 mm Creepage: 1,6 mm </td></tr><tr><td>Insertion force</td><td colspan="3">max. 5 N per contact</td></tr><tr><td>Withdrawal force</td><td colspan="3">min. 1 N per contact</td></tr><tr><td>Mating cycles</td><td colspan="3">10 cycles</td></tr><tr><td>Hot plugging</td><td colspan="3">No</td></tr><tr><td>vibration</td><td colspan="3">5-150Hz, 0,35mm, 5g, 2h each axis</td></tr><tr><td>RoHS - compliant</td><td colspan="3">Yes</td></tr><tr><td>UL file</td><td colspan="3">E 102079</td></tr></table>				Design	PCB male connector, vertical			No. of contacts	2-12 pole			Contact pitch	2,54 mm			Test voltage	2,5 kV			Rated voltage	160 V overvoltage category III / pollution degree 2			Contact resistance	max. 20mOhm			Insulation resistance	min. 10'Ohm			Working current	7.3 A at 70°C (tested with AWG20, see derating diagram)			Temperature range	-40°C ... +125°C			Termination technology	SMT			Reflow processing temperature	20s at 255°C			Clearance & creepage distance	Clearance: 1,5 mm Creepage: 1,6 mm			Insertion force	max. 5 N per contact			Withdrawal force	min. 1 N per contact			Mating cycles	10 cycles			Hot plugging	No			vibration	5-150Hz, 0,35mm, 5g, 2h each axis			RoHS - compliant	Yes			UL file	E 102079			(5:1) female connector male connector PCB 16,95			
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Derating diagram acc. to IEC 60512-5-2 (Current carrying capacity) The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature. Control and test procedures according to DIN IEC 60512-5-2 Electrical load [A] Temperature [°C] tested with AWG20																																																																																			
All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp				Scale 1:1 Free size tol. Ref. Sub. Created by HAGEMEYERE Inspected by ELLERMANN Standardisation HOFFMANN Date 2017-01-12 State Final Release Title har-flexicon 2.54 male connector vertical Type DS Number 14111400301 Doc-Key / ECM-Nr. 100550614/UGD/001/C 500000113685 Rev. C Page 1/2																																																																															
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har-flexicon 2.54 PCB male connector, vertical

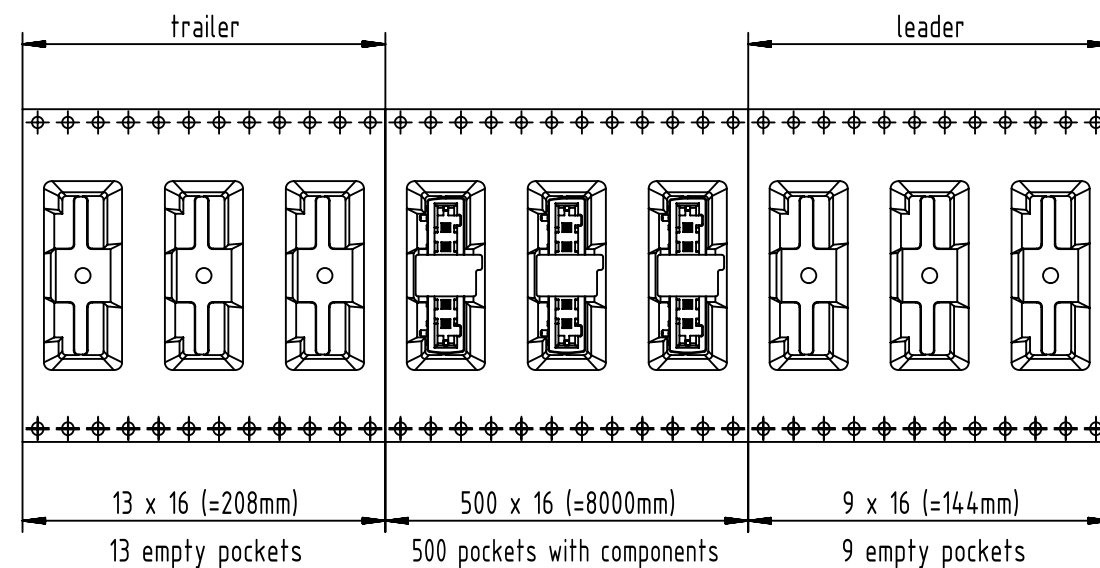


Packaging & tape layout



pole	W [mm]	F [mm]	S [mm]	P2 [mm]	P [mm]	P0 [mm]
2	24,0 ^{+0,3} _{-0,1}	11,5 ± 0,1		2,0 ± 0,1	16,0 ± 0,1	4,0 ± 0,1
3						
4	32,0 ± 0,3	14,2 ± 0,1	28,4 ± 0,1	2,0 ± 0,1	16,0 ± 0,1	4,0 ± 0,1
5						
6						
7						
8	44,0 ± 0,3	20,2 ± 0,1	40,4 ± 0,1	2,0 ± 0,15	16,0 ± 0,1	4,0 ± 0,1
9						
10						
11	56,0 ± 0,3	26,2 ± 0,1	52,4 ± 0,1	2,0 ± 0,15	16,0 ± 0,1	4,0 ± 0,1
12						

1 no double sprocket holes for 2- and 3-pole numbers

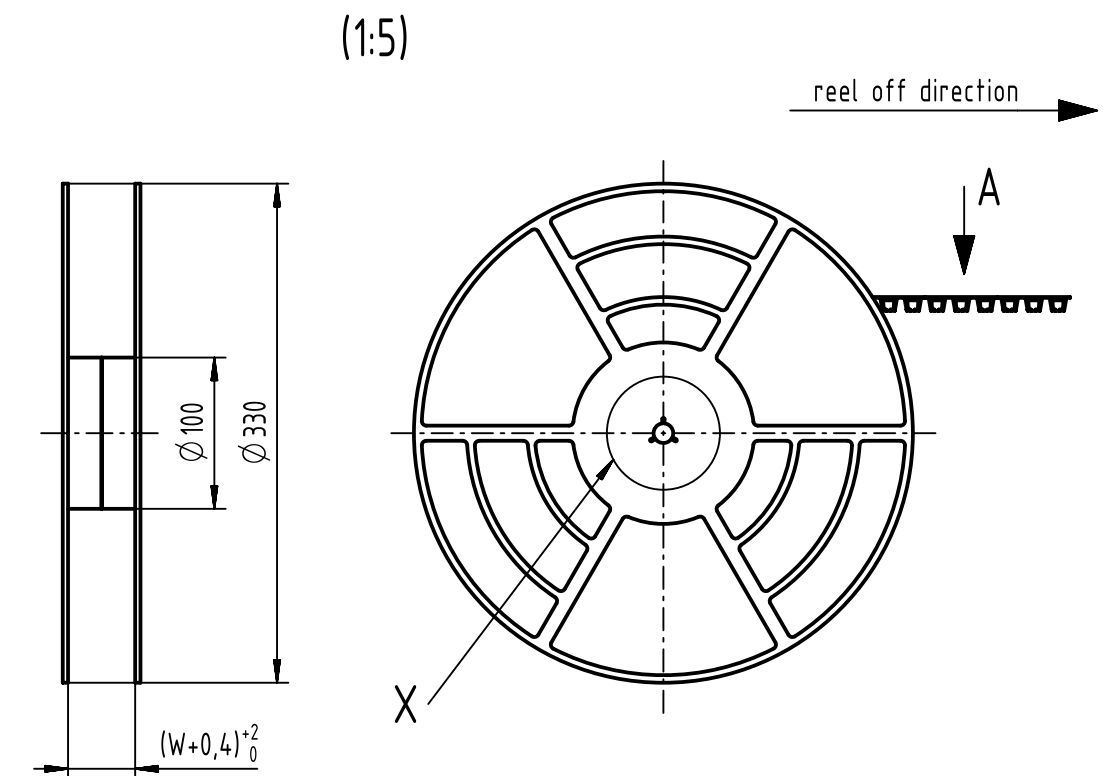


Packaging	Index
tape and reel with 500 pcs per reel	000
tape with 1 pcs	333

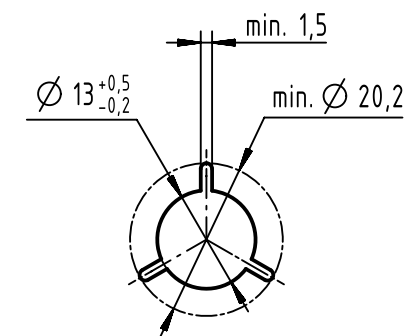
part-number	1411XX130YYXXX
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01 with guiding pin
11 w/o guiding pin

Reel dimensions



X (1:1)



		All Dimensions in mm Original Size DIN A3		Scale 1:1		Free size tol.		Ref.					
								Sub.					
		All rights reserved		Created by HAGEMEYERE		Inspected by ELLERMANN		Standardisation HOFFMANN		Date 2017-01-12		State Final Release	
		Department EC PD - DE											
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				Type DS		Number 14111400301						Rev. C	

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- Оценку стоимости проекта по компонентам.
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