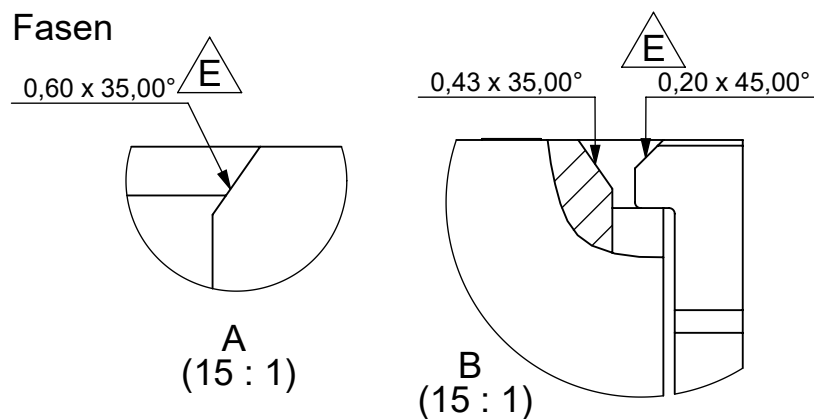
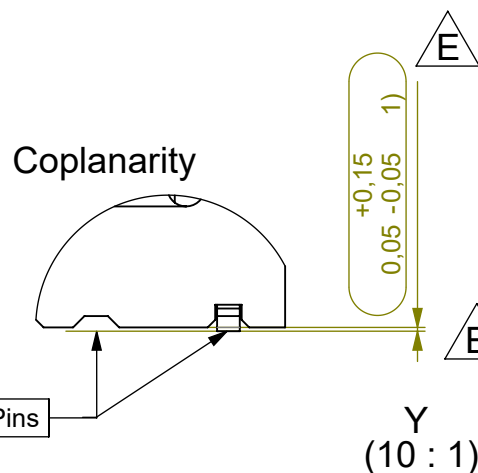
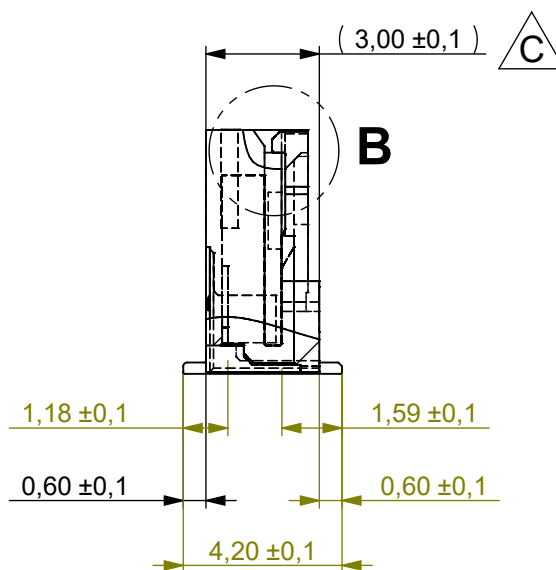
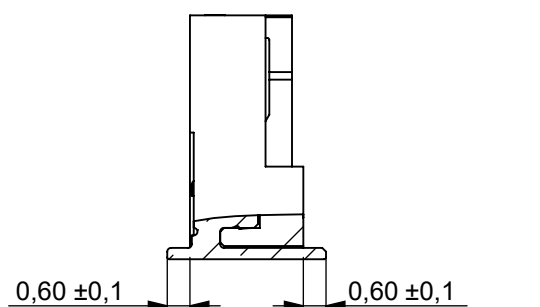
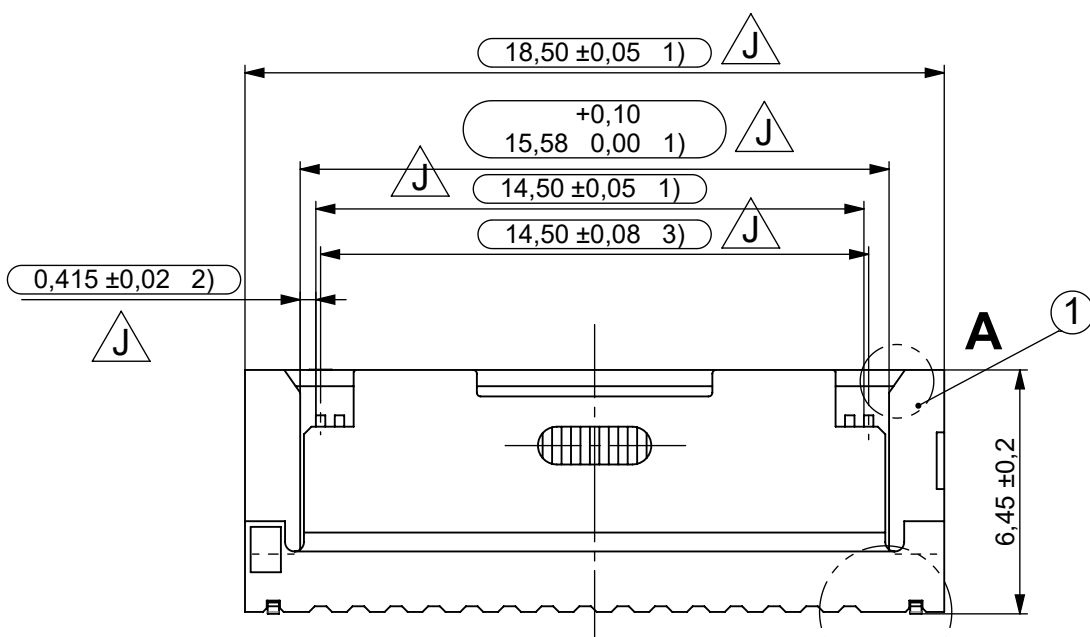
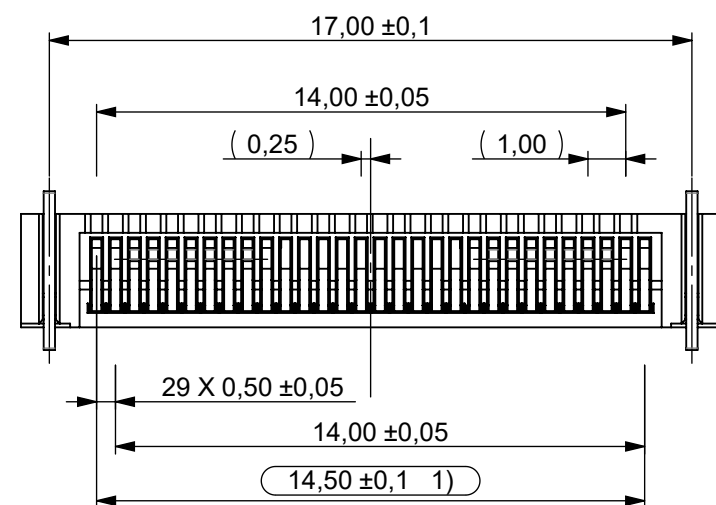
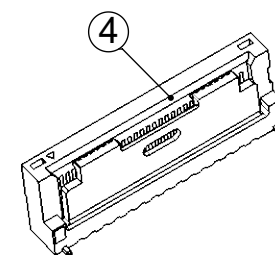
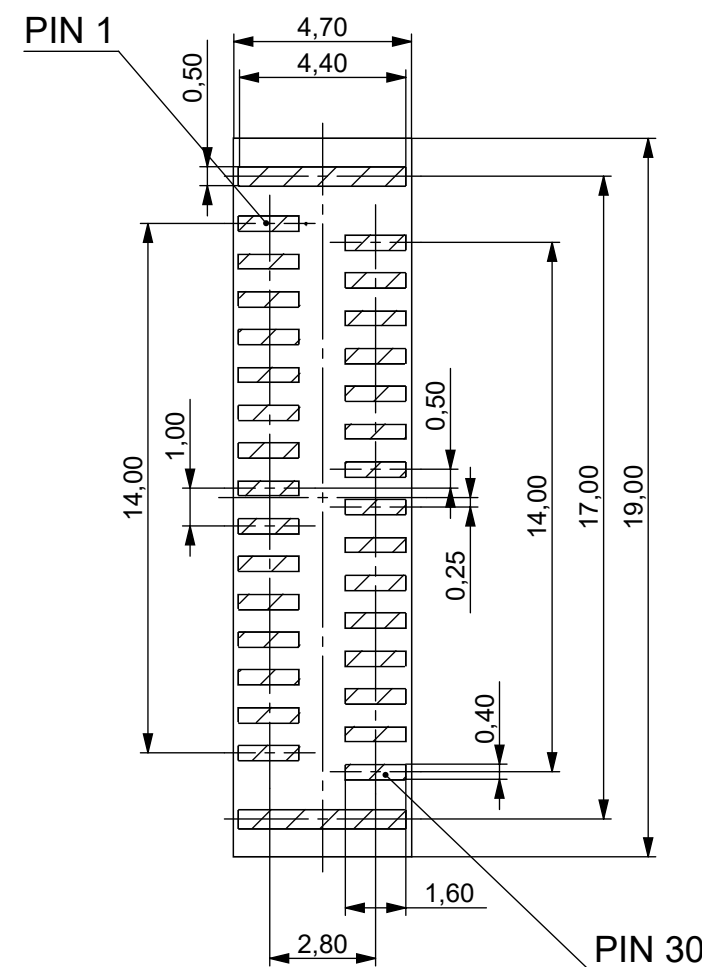


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Recommended PCB Layout



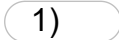
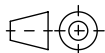
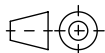
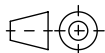
Critical Dimensions notes 1) - 3) see page 2
To determine Cmk and Cpk.

Unless otherwise specified : Dimensions are in millimeters TOLERANCES		REV.	REVISION DESCRIPTION	INITIALS	REV. DATE
		013	ERP article update	M189	25.09.2019
			change dim 3,03 to 3,00	GA	16.02.2011
			Dimension 15,6 canged to 15,58	GA	06.09.2010
			dim 15,58+0,1/inner, and Tolerances	GA	30.07.2010
			tooling/inner chamfer	GA	24.11.2009
Order / Article No. 86-01365		DO NOT SCALE DRAWING			
NOTES: A3		NAME	DATE	CLASSIFICATION:	
		ANGLE PROJECTION:	CREATED GA 10.09.2007	Y-Lock for FFC w/pullforce	
		FIRST	MODIFIED M297 25.09.2019	Y-LPF-1C5-30-S1-BF-R 013	
			RELEASED M189 25.09.2019	DWG NO.: Customer-P946A07	
WEIGHT:		SUBREV	01	SCALE: 5:1	SHEET 1 OF 3
				A3 - ASSEMBLY	



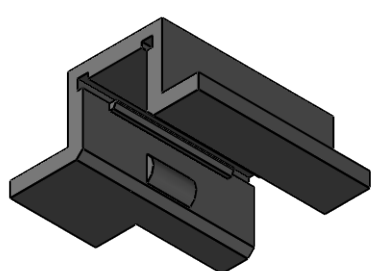
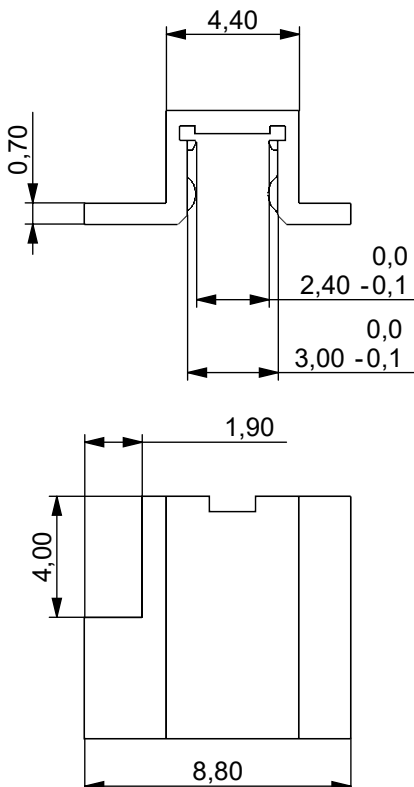
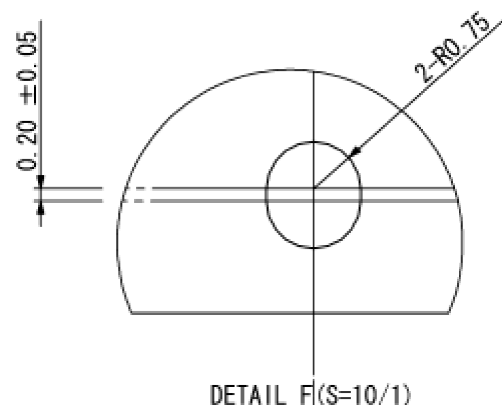
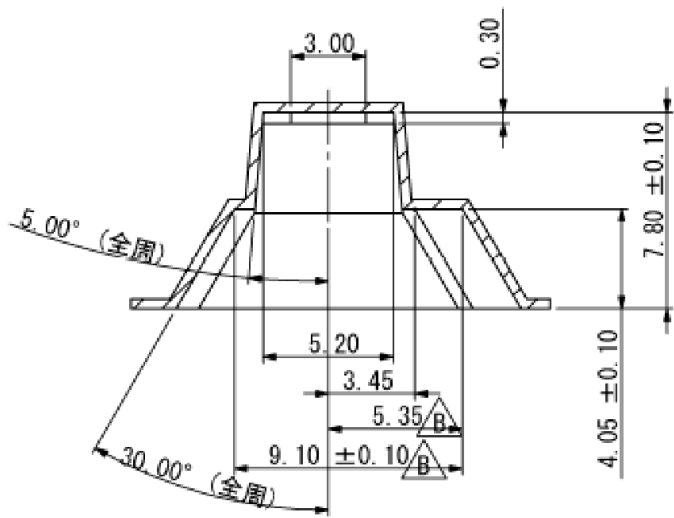
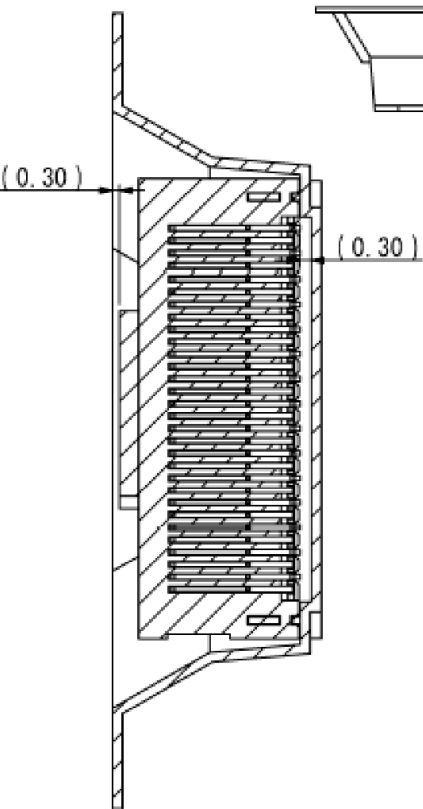
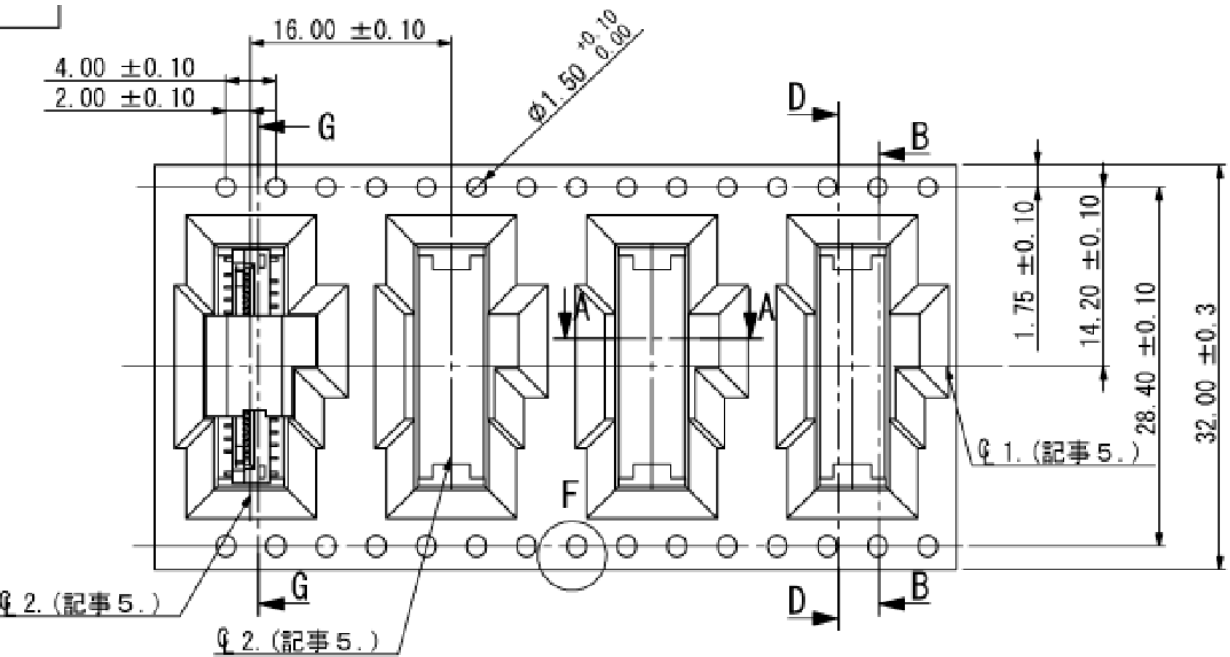
Specification/Drawing subject to alteration without prior notice

RoHS compliant acc. to directive 2002/95/EU

1	2	3	4	5	6	7	8																																																					
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SPECIFICATION																																																												
<u>Material</u> Isolator: LCP Contacts: C5210R-RH t=0,15 (CuSn) Solder Terminal: C2680 t=0,3 (CuZn) <u>Contactplating</u> Contact Terminal: Plating: min1,5 µm (60 µ") Ni over all Contact are: min 0,3µm (12µ") Au Soldering area: min 0,05µm Au (Flash Gold)  Solder Terminal: Plating: min 3µm (120µ") Sn over min 1,0µm (40µ") Ni 				Operating Temp. Range: -40°C to +105°C. Operating Humidity: 10% ~ 95% RH Coplanarity for all Solder Pins max. 0.10mm Contact force: 0,38N +/-0,08  Insertion force FFC: 5...15N  Retention force FFC: >15N  Test force FFC snapped in: 10N Reflow solderable (according to RoHS temperature 220°C / 60sec., + 260°C peak)																																																								
Mating cycles : 10 cycle				Number of Contactcs: 30 Contact resistance: 30mΩ typical, 50mΩ max. Insulation resistance: >100 MΩ min. at 500V DC Withstanding voltage: 500V ACrms / minute Current rating: 0.5 Amps max. / 0,3A max at 105° Voltage rating: 50 V DC																																																								
critilac dimensions =11:  Notes:1) proof of process capability. ISTR: c_pk >= 1,67 running production c_pk >= 1,33 Mean value, standard deviation, process capability indices, specification of distribution curve and histogram. Basis of calculation≥ 20 shifts of 5 units each To be handed over only when requested, but to be included at least with the initial sampling 2) proof of process capability. ISTR: c_pk >= 1,33 running production c_pk >= 1,0 Mean value, standard deviation, process capability indices, specification of distribution curve and histogram. Basis of calculation≥ 20 shifts of 5 units each To be handed over only when requested, but to be included at least with the initial sampling 3) Proof of the actual values in relation to the ISTR (one time, no. of samples >= 10 units) otherwise proof of an attributive test. e.g. OK/not OK gauge no of samples >= 5 units				 Critical Dimensions. To determine Cmk and Cpk. <table><tr><td rowspan="5">Unless otherwise specified : Dimensions are in millimeters TOLERANCES</td><td>REV.</td><td>REVISION DESCRIPTION</td><td>INITIALS</td><td>REV. DATE</td></tr><tr><td></td><td>ERP article update</td><td>M189</td><td>25.09.2019</td></tr><tr><td></td><td>change dim 3,03 to 3,00</td><td>GA</td><td>16.02.2011</td></tr><tr><td></td><td>Dimension 15,6 canged to 15,58</td><td>GA</td><td>06.09.2010</td></tr><tr><td></td><td>dim 15,58+0,1/inner, and Tolerances</td><td>GA</td><td>30.07.2010</td></tr><tr><td colspan="2">Order / Article No. 86-01365</td><td></td><td>tooling/inner champfer</td><td>GA 24.11.2009</td></tr><tr><td colspan="5">DO NOT SCALE DRAWING</td></tr><tr><td rowspan="4">NOTES: A3</td><td colspan="2"></td><td>NAME</td><td>DATE</td></tr><tr><td colspan="2">ANGLE PROJECTION:</td><td>CREATED</td><td>GA 10.09.2007</td></tr><tr><td colspan="2"> FIRST</td><td>MODIFIED</td><td>M297 25.09.2019</td></tr><tr><td colspan="2"></td><td>RELEASED</td><td>M189 25.09.2019</td></tr><tr><td colspan="2">WEIGHT:</td><td>SUBREV</td><td>01</td><td></td></tr></table>  CLASSIFICATION: Y-Lock for FFC w/pullforce TITLE: Y-LPF-1C5-30-S1-BF-R DWG NO.: Customer-P946A07 REVISION: 013 SCALE: 2:1 SHEET 2 OF 3 A3 - ASSEMBLY				Unless otherwise specified : Dimensions are in millimeters TOLERANCES	REV.	REVISION DESCRIPTION	INITIALS	REV. DATE		ERP article update	M189	25.09.2019		change dim 3,03 to 3,00	GA	16.02.2011		Dimension 15,6 canged to 15,58	GA	06.09.2010		dim 15,58+0,1/inner, and Tolerances	GA	30.07.2010	Order / Article No. 86-01365			tooling/inner champfer	GA 24.11.2009	DO NOT SCALE DRAWING					NOTES: A3			NAME	DATE	ANGLE PROJECTION:		CREATED	GA 10.09.2007	 FIRST		MODIFIED	M297 25.09.2019			RELEASED	M189 25.09.2019	WEIGHT:		SUBREV	01	
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Material pick & place cap

Isolator: LCP
color: black

Weight of the part: 0.13g

- Notes:
1. Tolerance is +/- 0.2 unless otherwise specified.
 2. "R" of each of corners should be MIN.
 3. Each reel contains 700pcs of the connectors.
(Reel to be used: outer diameter: 380mm; core diameter: 100mm)
 4. Draft angle should be 3°MAX. unless otherwise specified.
 5. No. of empty pockets in both ends of reel 15.

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Critical Dimensions.
To determine Cmk and Cpk.

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		013	ERP article update	M189	25.09.2019
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		MODIFIED	M297 25.09.2019	Y-LPF-1C5-30-S1-BF-R	
		RELEASED	M189 25.09.2019	DWG NO.: Customer-P946A07	
WEIGHT:		SUBREV	01	SCALE: 5:1	REVISION: 013
				SHEET 3 OF 3	A3 - ASSEMBLY