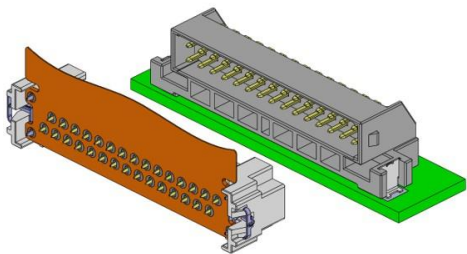


PRODUCT INFO



2.2mm Pitch PCB to FPC Connector with detachable lock.  
Application which isn't usually use FPC connections is able to use FPC because of high reliability applying BtoB design experience.  
Replacing with WtoW which might require excessive size of wire will be one of solutions with weight saving.  
Also, redundant connection applying 2 point contact.

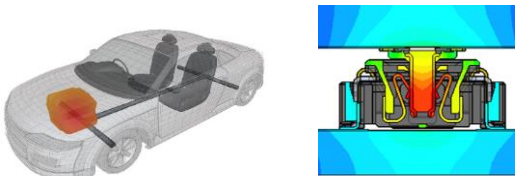
【Target Application】  
Powertrain(Motor cycle), Consumer,  
Industrial office equipment broadcasting equipment  
Industrial equipment communication equipment Robot

2020 April Sample available  
2021 June Mass Production

Feature 1 : High heat resistance

Under high temperature environment

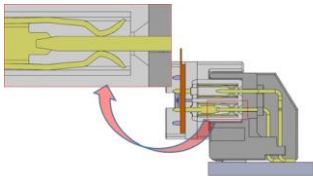
Application close to engine and high performance device requires high heat resistance connector due to temperature rise. This connector can be used under severe high temperature condition.



Feature 2 : 2 point contact

High reliability applying pinching 2 contact structure

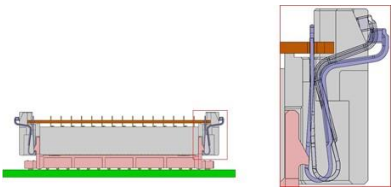
Contact structure is that plug terminals from both sides pinches socket terminal. This structure reduces contact failure such as momentary disconnection/foreign substances.



Feature 3 : High contact reliability/workability

Detachable lock

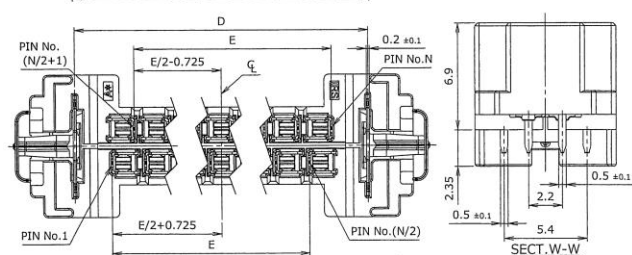
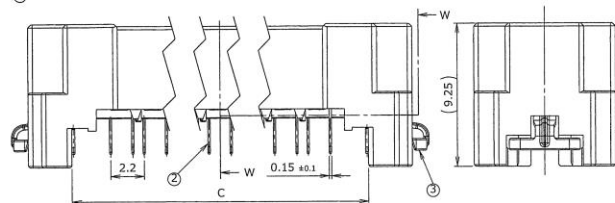
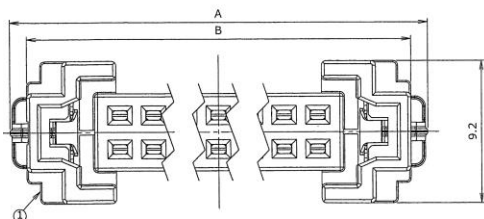
Lock structure is to prevent misalignment due to vibration/any impact. Operator can \*feel a click\* when correctly positioned. Metal spring is applied for lock structure so that multiple insertion/withdrawal is allowed.



Product Spec

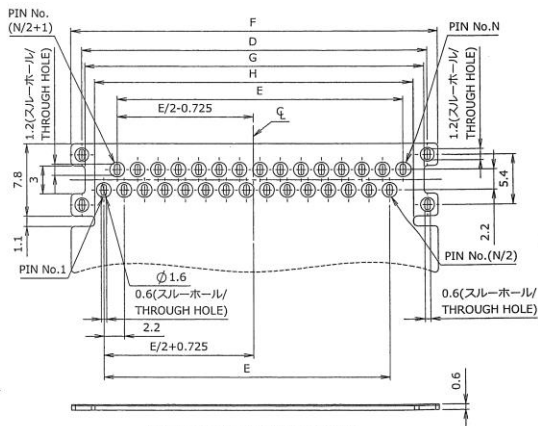
Item	Unit	Specification	Note
Pitch	mm	2.2	-
Pin Counts	ckt	12,20,30,40	-
Operating Temperature Range	℃	-40~+125	-
Rated Current	A	1.0	-
Rated Voltage	V	125	JIS C60664-1 Pollution Degree II
Contact Resistance	mΩ	Max.50	-
Withstand Voltage	V	250	-
Durability (Insertion/Withdrawal)	times	20	-

IMSA-11008S-\*\*Y9\*\*



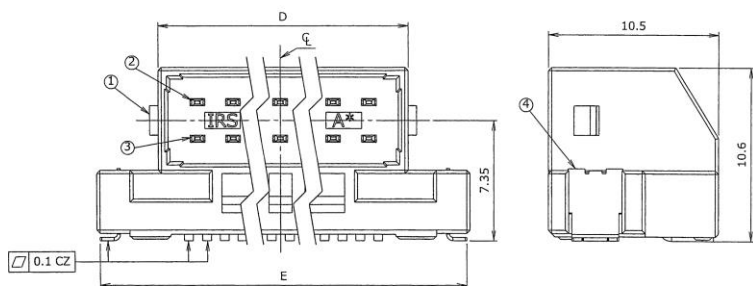
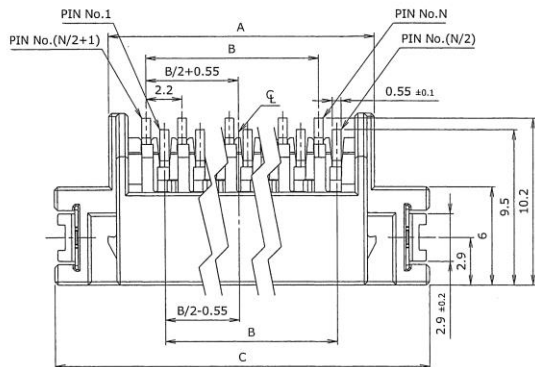
極数 /CKT	製品番号 /PRODUCTS No.	A	B	C	D	E	F	G	H
12	11008S-12A-GFN4	25.3	23.1	17.4	17.2	11.0	19.5	16.5	14.4
20	11008S-20A-GFN4	34.1	31.9	26.2	26.0	19.8	28.3	25.3	23.2
30	11008S-30A-GFN4	45.1	42.9	37.2	37.0	30.8	39.3	36.3	34.2
40	11008S-40A-GFN4	56.1	53.9	48.2	48.0	41.8	50.3	47.3	45.2

NOTE  
1. 嵌合プラグ/MATING OF PLUG: IMSA-11008B-\*\*A-GFN4 / IMSA-11009B-\*\*A-GFN4



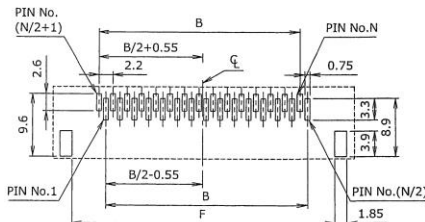
推奨基板寸法/RECOMMENDED PCB SIZE  
一般公差 (はんだ付け面)/GENERAL TOLERANCE (SOLDERING SIDE): ±0.05  
※ピッチ公差は累積しない事/PITCH TOLERANCE IS NOT CUMULATIVE.

IMSA-11009B-\*\*Y9\*\*



極数 /CKT	製品番号 /PRODUCTS No.	A	B	C	D	E	F
12	11009B-12A-GFN4	16.7	11.0	23.4	15.8	23.0	20.3
20	11009B-20A-GFN4	25.5	19.8	32.2	24.6	31.8	29.1
30	11009B-30A-GFN4	36.5	30.8	43.2	35.6	42.8	40.1
40	11009B-40A-GFN4	47.5	41.8	54.2	46.6	53.8	51.1

仕様/NOTE  
1. コプラナリティ/COPLANARITY: 0.1MAX  
2. 嵌合ソケット/MATING SOCKET: IMSA-11008S-\*\*A-GFN4



推奨基板寸法/RECOMMENDED PCB SIZE  
一般公差 (マウント面)/GENERAL TOLERANCE (MOUNTING SIDE): ±0.05  
推奨マスク厚/RECOMMENDED MASK THICKNESS: t=0.15mm  
(開口率/APERTURE RATIO: 100%)  
※ピッチ公差は累積しない事/PITCH TOLERANCE IS NOT CUMULATIVE.

\* For packaging, see packing drawing.

WP\_11008\_EN\_R1

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