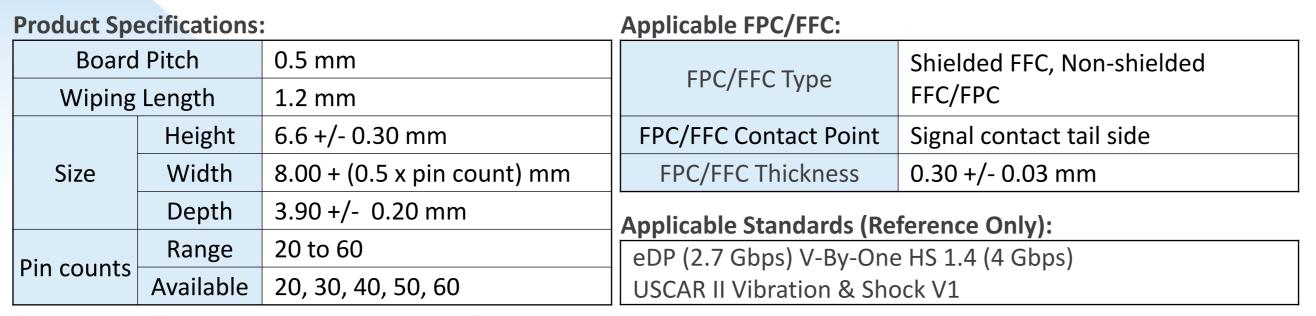
EVAFLEX® 5-SE-G VT

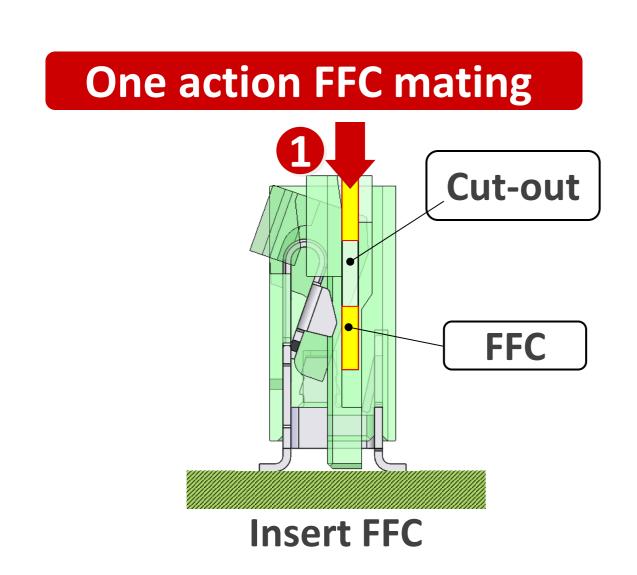
One-handed auto-locking feature, high temperature resistance (125°C), high-speed, vertical mate, 0.5 mm pitch shielded FFC/FPC connector

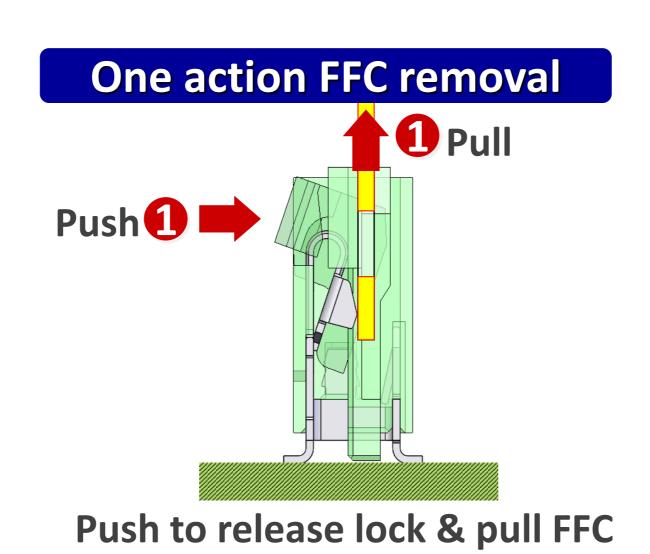


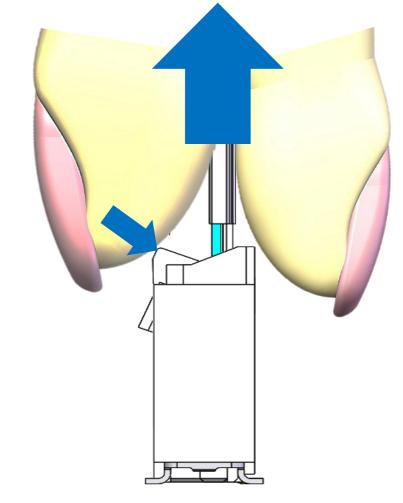
^{*} Please inquire for pin counts not listed or outside of the pin count range.



One-handed operational auto-lock design, ideal for hand or robotic assembly

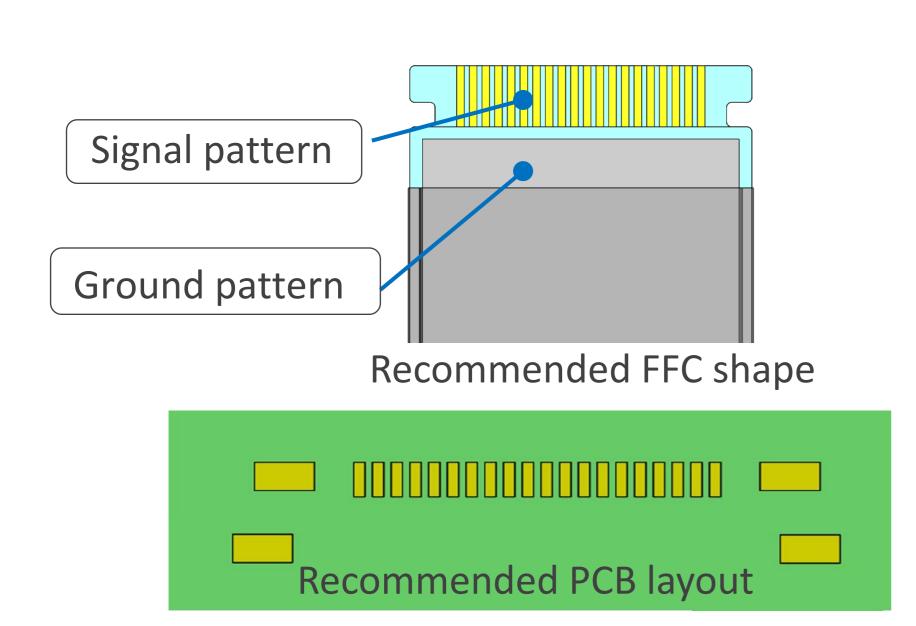


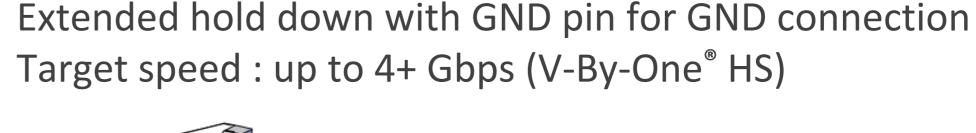


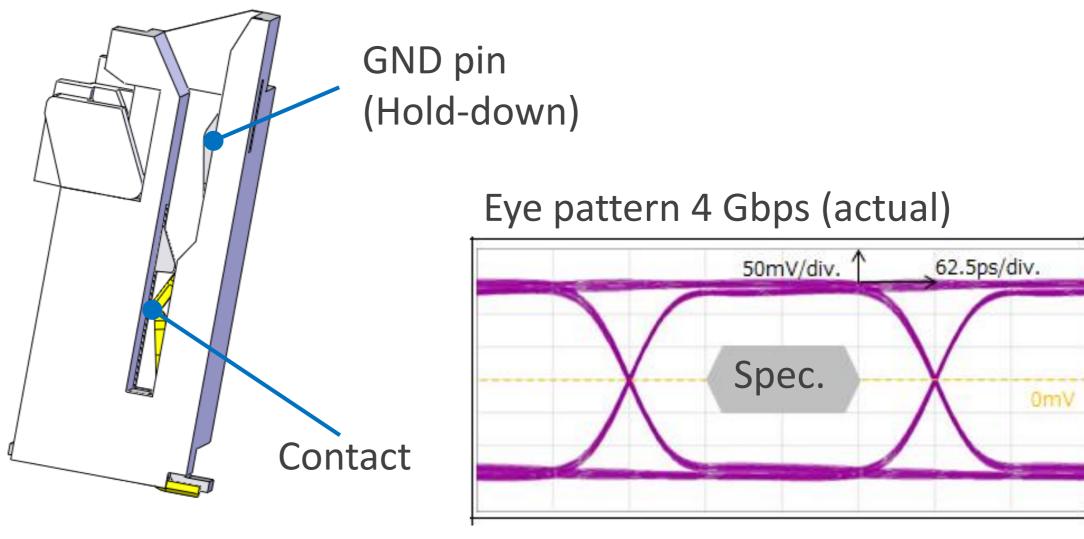


Release lock and pull FFC at same time for one-hand operation.

Designed for high-speed transmission with grounding contacts (4+ Gbps V-By-One® HS)







High-Heat and High-Durability Connectors for Automotive and Industrial Applications

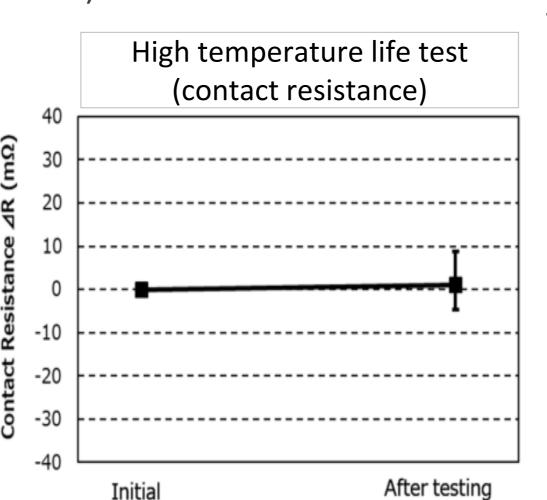
It is a capable of delivering stable performance even under harsh environmental conditions and supports a wide range of applications.

High temperature life test (contact resistance)

Test hours: 1000 h

Test condition: $398\pm2 \text{ k} (125\pm2^{\circ}\text{C})$

N=5		unit/mΩ	(Q
	Initial	After Testing	1R (mΩ)
SPEC	60m $Ω$ max.	Δ R=40m Ω max.	ance 2
Ave.	6.616	1.101	esist
Max.	8.80	8.72	act R
Min.	4.18	-4.70	Cont

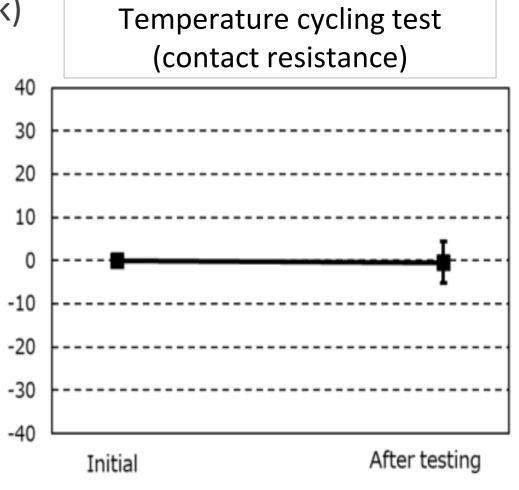


est co	ndition -55°C	(218 k)⇔+125°C(29	8
	(3)	0 min) (30 mir	1)
Test hour:100 cycle			6
N=5		unit/mΩ	0 44
	Initial	After Testing	QV o
SPEC	60mΩ max.	Δ R=40m Ω max.	Docietance
Ave.	6.704	-0.477	
Max.	9.03	4.54	potact
ı		l l	

-5.17

4.05

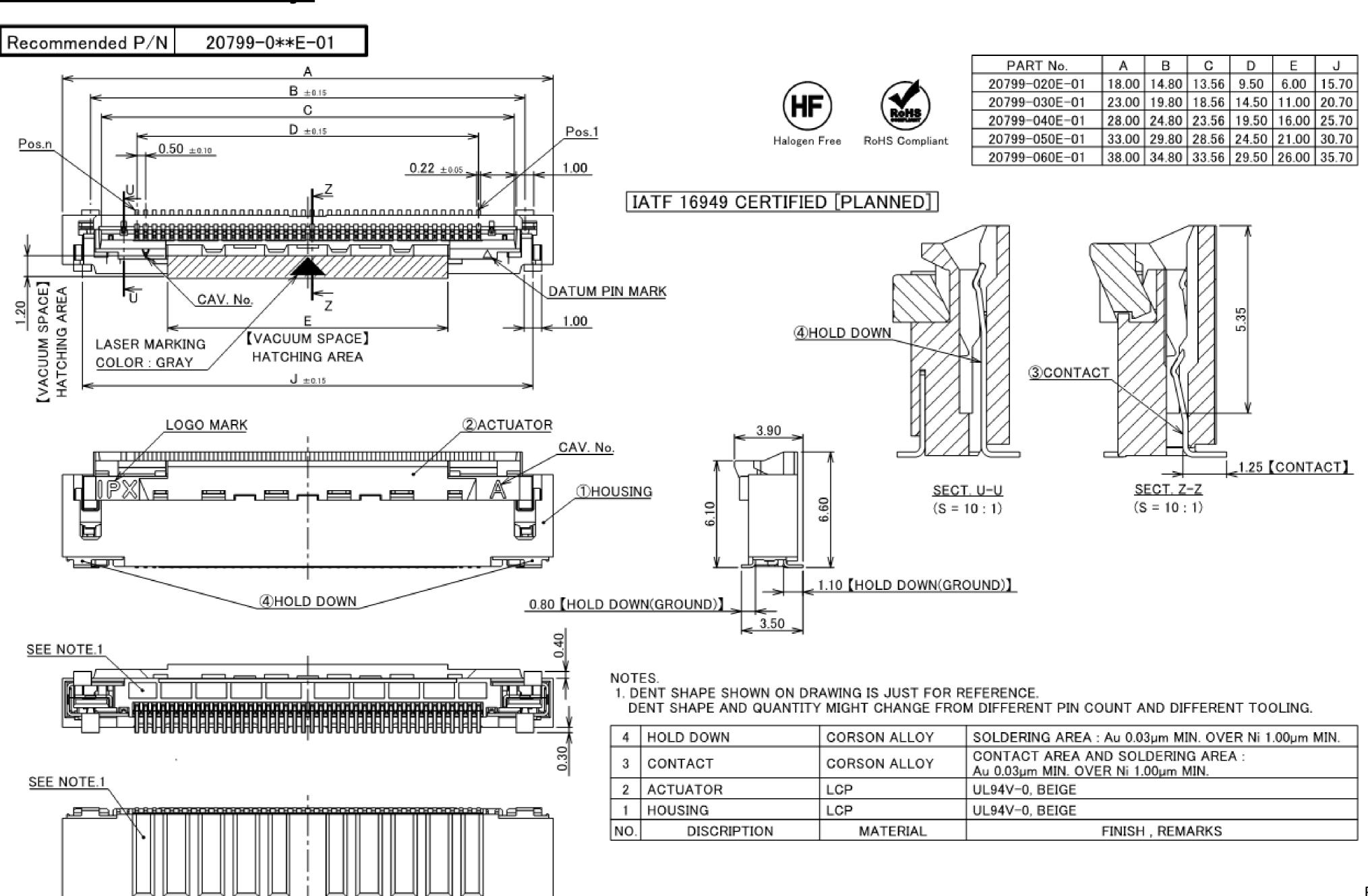
Temperature cycling test (Contact resistance)



Min.

Component Parts Details

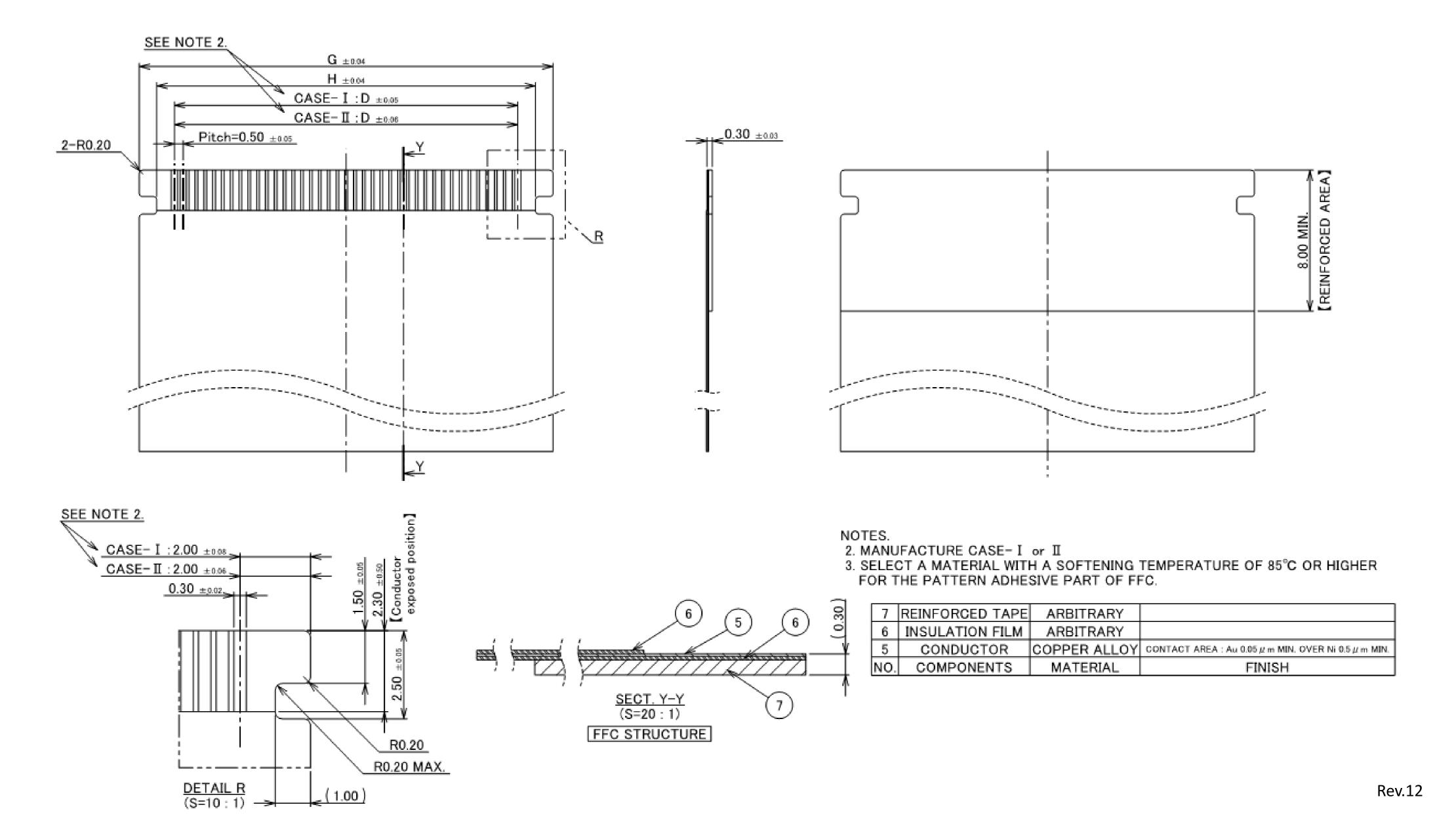
Connector Assembly



Connector Assembly

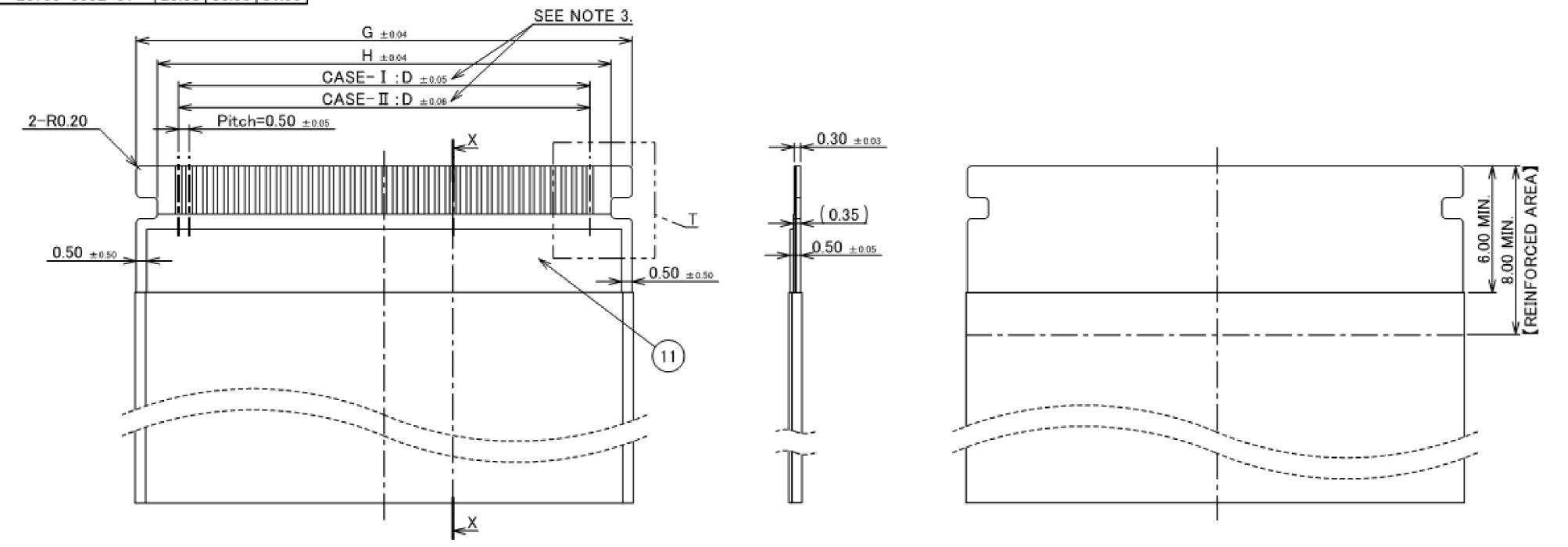
PART No.	D	G	Н
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060F-01	29.50	33.50	31.50

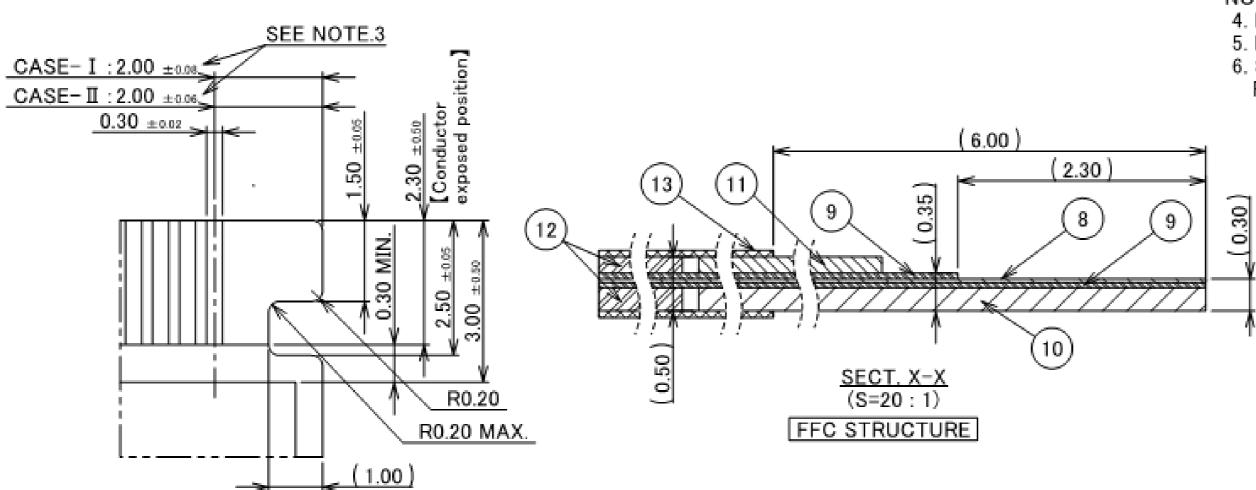
RECOMMENDED FFC LAYOUT [NON SHIELDED TYPE]



PART No.	D	G	Н
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060E-01	29.50	33.50	31.50

RECOMMENDED FFC LAYOUT SHIELDED TYPE]





NOTES.
4. MANUFACTURE CASE- I or II
5. DIFFERENTIAL IMPEDANCE : 100±10Ω
6. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

	13		METALLIC FILM	
	12	INTERLAYER	ARBITRARY	
	11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
	10	REINFORCED TAPE	ARBITRARY	
	9	INSULATION FILM	ARBITRARY	
¥	8	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 μ m MIN. OVER Ni 0.5 μ m MIN.
	NO.	COMPONENTS	MATERIAL	FINISH

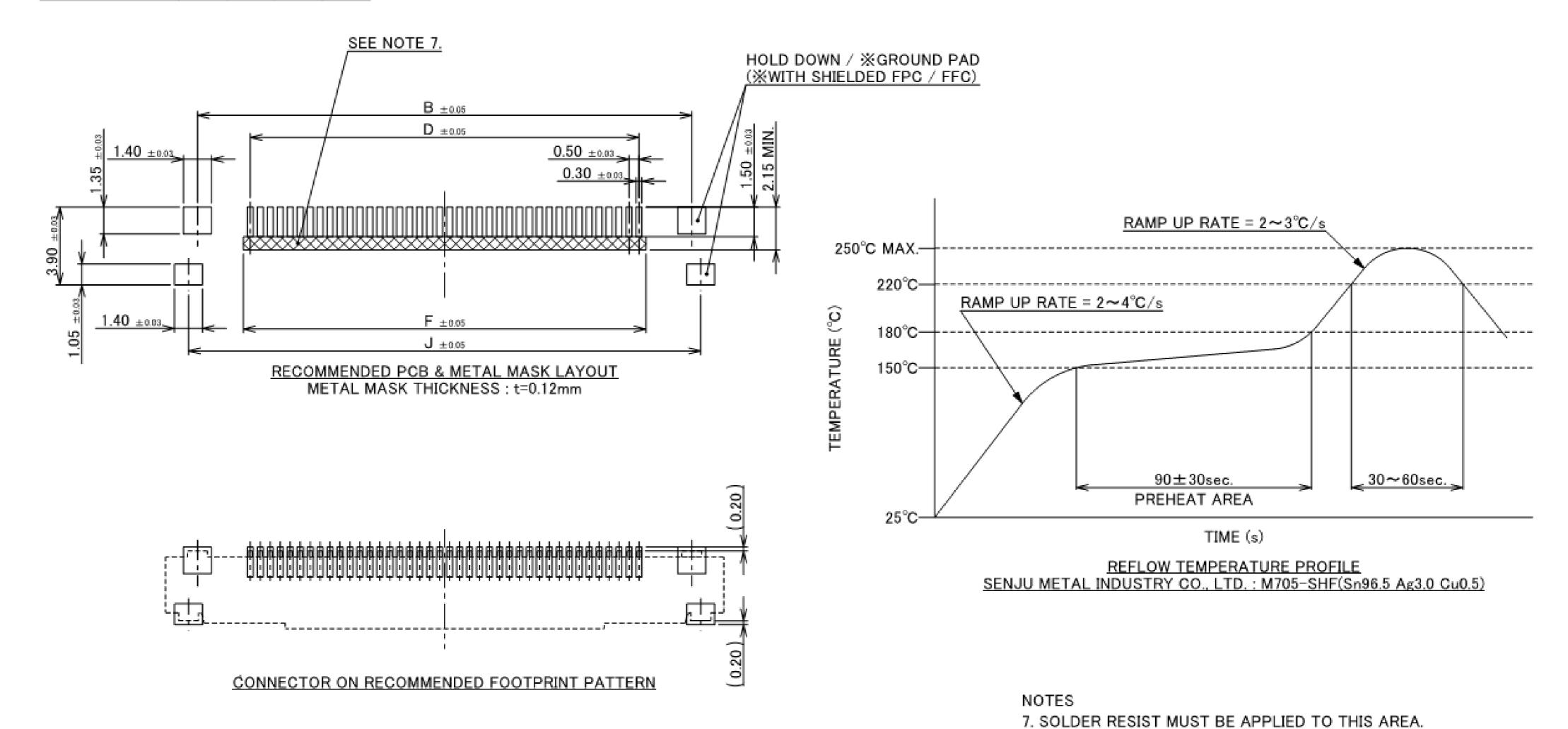
Rev.12



DETAIL T (S=10:1)

Connector Assembly

PART No.	В	D	F	J
20799-020E-01	14.80	9.50	10.20	15.70
20799-030E-01	19.80	14.50	15.20	20.70
20799-040E-01	24.80	19.50	20.20	25.70
20799-050E-01	29.80	24.50	25.20	30.70
20799-060E-01	34.80	29.50	30.20	35.70

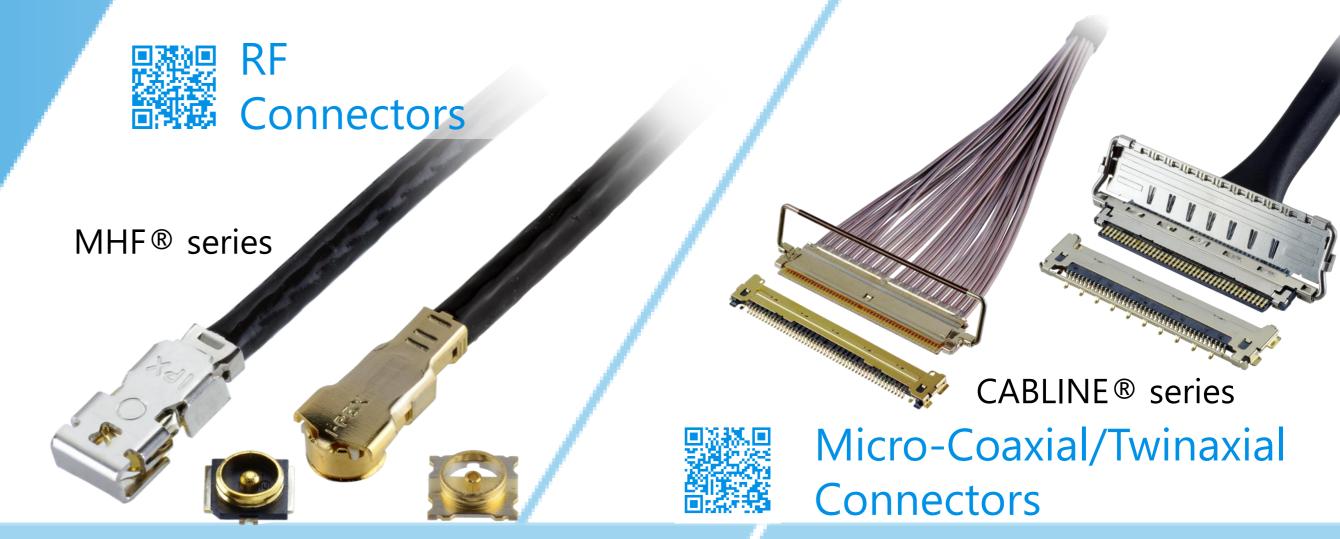


Rev.12

ITEMS	SPECIFICATION		
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)		
RATING AMPERAGE	0.35A AC/DC (PER CONTACT PIN) AVAILABLE FOR ALL CONTACTS 0.5A AC/DC (PER CONTACT PIN) AVAILABLE UP TO 15 CONTACTS		
OPERATING TEMPERATURE	233~398K(-40°C~+125°C)		
OPERATING HUMIDITY	85% MAX.		
CONTACT RESISTANCE	INITIAL: 60mohm MAX. / AFTER TEST: ⊿40mohm MAX.		
INSULATION RESISTANCE	500Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min		
DURABILITY	50TH CYCLES		
FPC/FFC MATING FORCE (INITIAL / 50TH CYCLES)	20P: 15.00 N MAX. 30P: 22.00 N MAX. 40P: 29.00 N MAX. 50P: 36.00 N MAX. 60P: 43.00 N MAX.		
FPC/FFC UNMATING FORCE (INITIAL / 50TH CYCLES)	20P : 2.00 N MIN. 30P : 2.70 N MIN. 40P : 3.40 N MIN. 50P : 4.10 N MIN. 60P : 4.80 N MIN.		
FPC/FFC RETENTION FORCE (INITIAL / AFTER TEST)	20P: 11.00 N MIN. 30P: 11.70 N MIN. 40P: 12.40 N MIN. 50P: 13.10 N MIN. 60P: 13.80 N MIN.		
COPLANARITY	0.10 MAX.		
PRODUCT SPECIFICATION	PRS-2305		
TEST REPORT	TR-17100		
PACKING STANDARD	PST-18002		
INSTRUCTION MANUAL	HIM-16039		
APPEARANCE CRITERIA No.	QLS-A***		

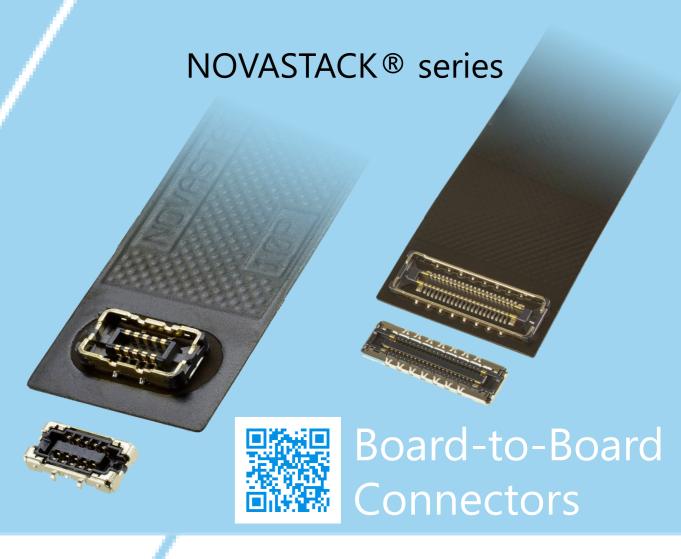


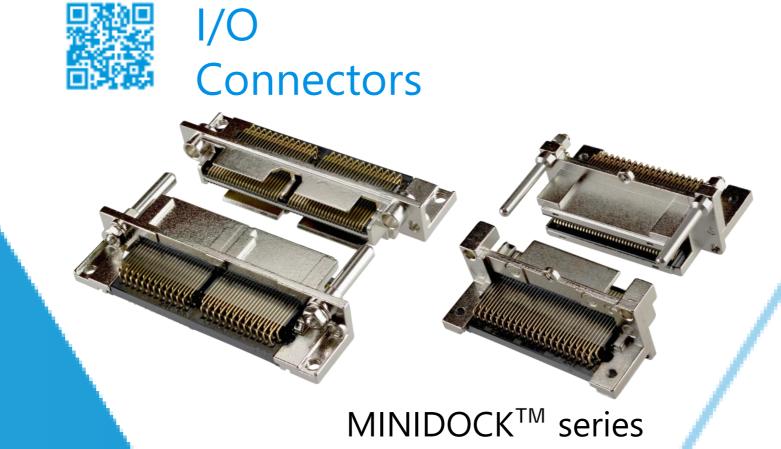
Custom Connectors Available









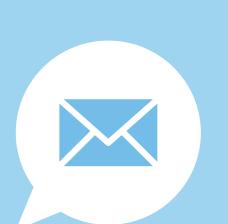












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Contact your sales representative or more detailed information.

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