FPC/FFC Connector

MINIFLEX[®] 5-FF

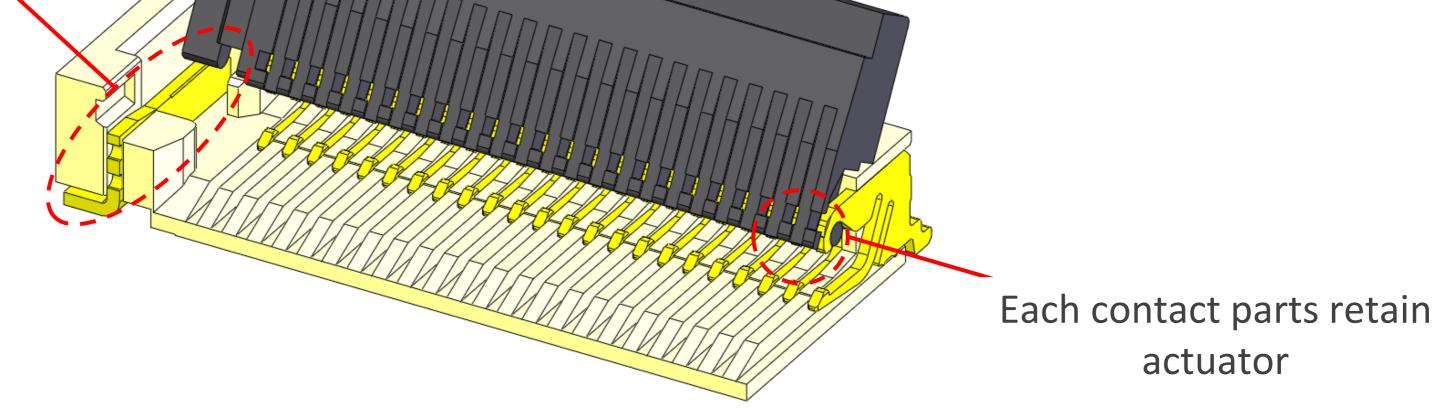
Robust design with hold down feature, high temperature resistance (125°C), height = 2.55 mm, 0.5 mm pitch, horizontal, front flip

Product Specifications:			ŀ	Applicable FPC/FFC:		
Board Pitch (mm)		0.5		FPC/FFC Contact Pitch	0.5	
Wiping Length (mm)		1.40		FPC/FFC Contact Point	Bottom	
	Height	2.55 +/- 0.2		FPC/FFC Thickness (mm)	0.3 +/- 0.05	
	Width	Formula: 4.9+(0.5*?p)				
Size (mm)	Depth	Open: 6.4				
		Close: 7.2				
Pin counts	Range	10-80 (even)				
	Available	20, 30, 40, 50, 55, 60, 64, 68				

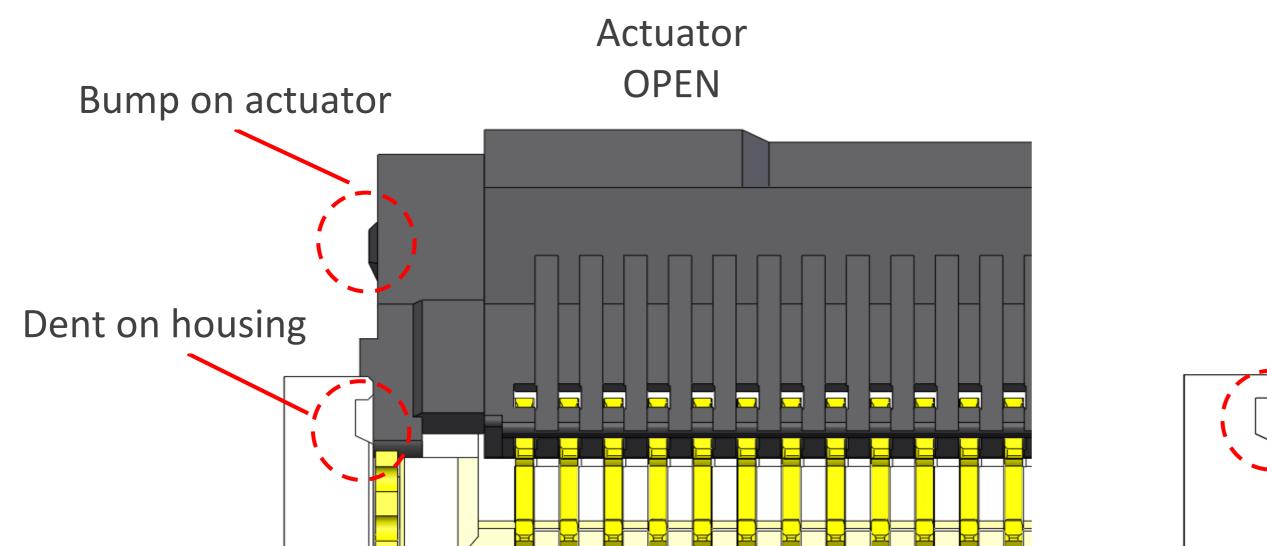
* Please inquire for pin counts not listed or outside of the pin count range.

Hold down feature improves strength of side wall and prevents actuator drop-off

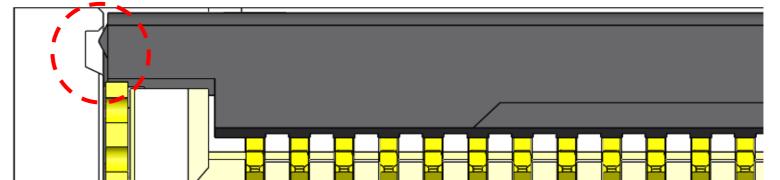
Hold down parts retain actuator	



Small bump on actuator prevents actuator from opening accidentally



Actuator CLOSED



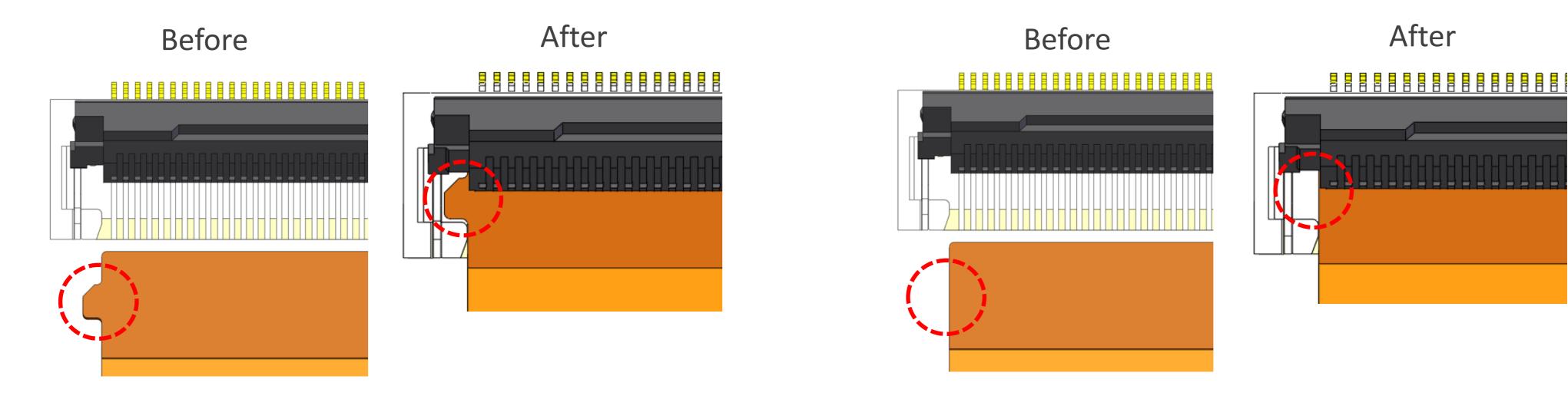
FPC/FFC without Tab

After



FPC/FFC with or without tab is available

FPC/FFC with Tab





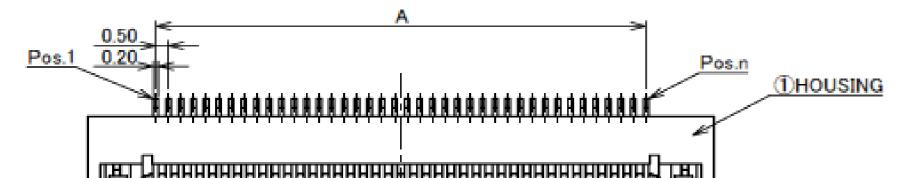
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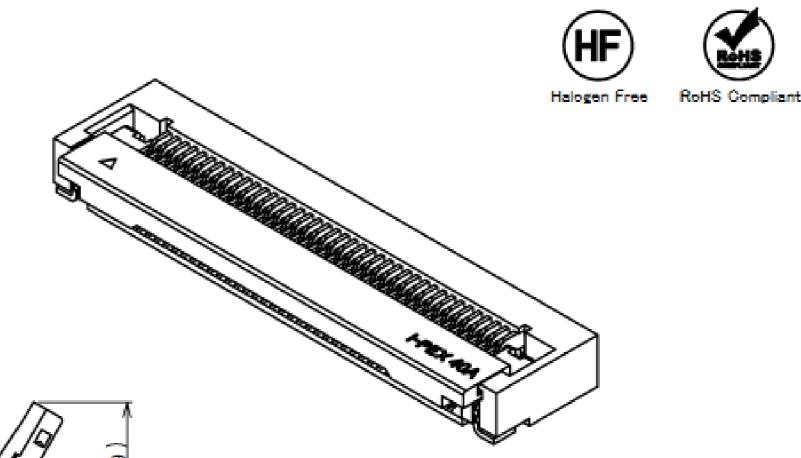


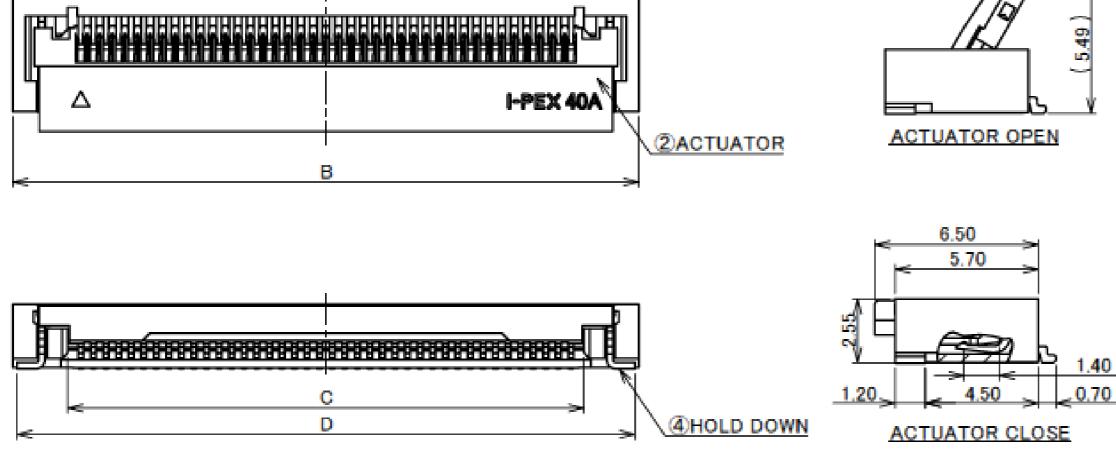
Component Parts Details

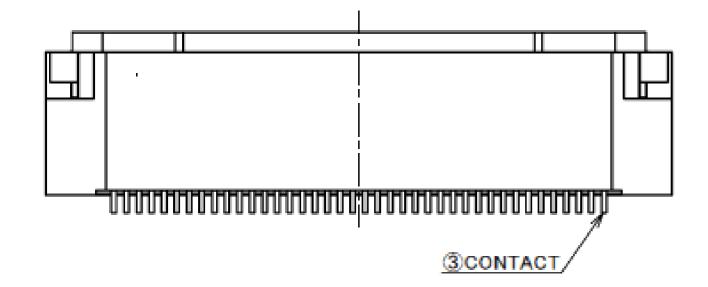
Connector Assembly

Recommended F	20647-0**E-01				
PART No.	Pos.	Α	В	С	D
20647-020E-01	20P	9.50	14.90	10.57	14.58
20647-030E-01	30P	14.50	19.90	15.57	19.58
20647-040E-01	40P	19.50	24.90	20.57	24.58
20647-050E-01	50P	24.50	29.90	25.57	29.58
20647-055E-01	55P	27.00	32.40	28.07	32.08
20647-060E-01	60P	29.50	34.90	30.57	34.58
20647-064E-01	64P	31.50	36.90	32.57	36.58
20647-068E-01	68P	33.50	38.90	34.57	38.58









4	HOLD DOWN	COPPER ALLOY	SOLDERING AREA : Au 0.02 μ m MIN. OVER Ni 1.00 μ m MIN.
3	CONTACT		CONTACT AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
2	ACTUATOR	LCP	UL94V-0 BLACK
1	HOUSING	LCP	UL94V-0 BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

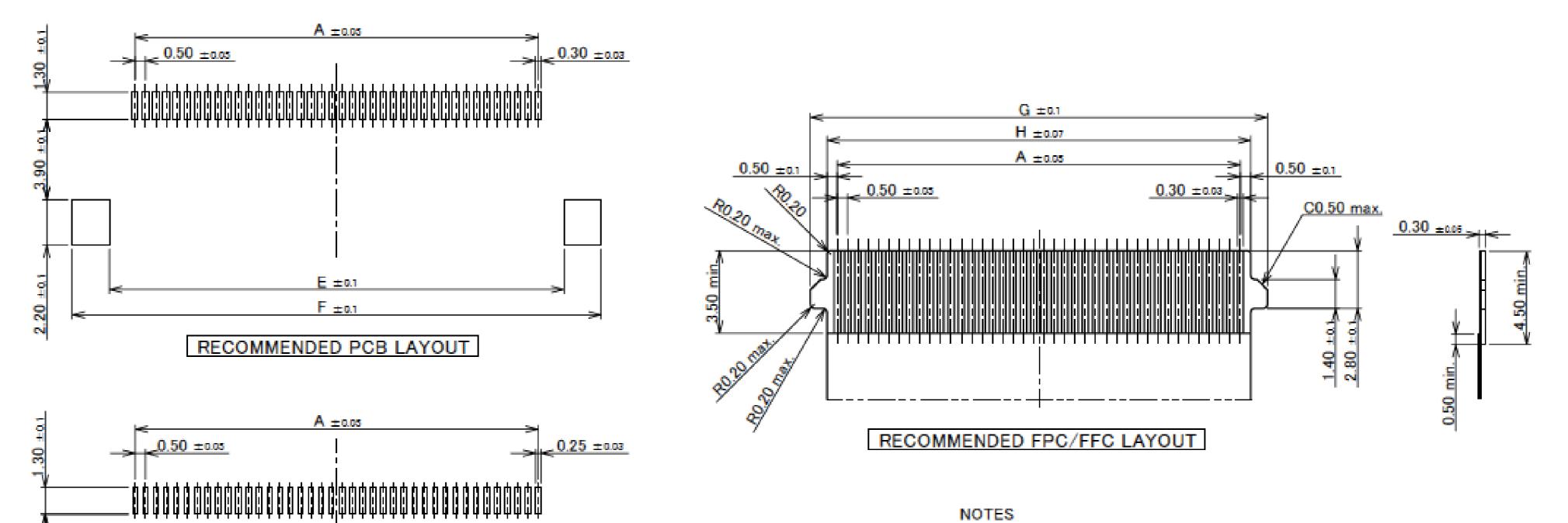
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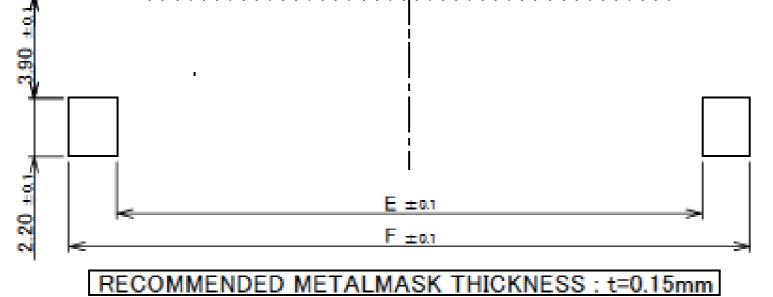
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Connector Assembly

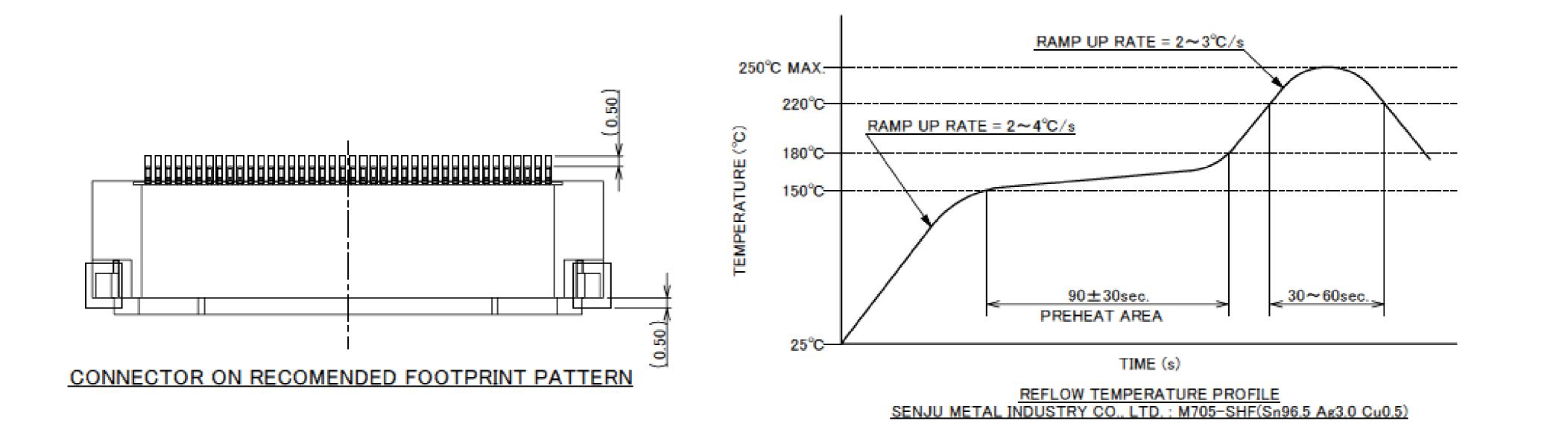
Pos.	Α	E	F	G	Н
20P	9.50	12.00	15.60	12.10	10.50
30P	14.50	17.00	20.60	17.10	15.50
40P	19.50	22.00	25.60	22.10	20.50
50P	24.50	27.00	30.60	27.10	25.50
55P	27.00	29.50	33.10	29.60	28.00
60P	29.50	32.00	35.60	32.10	30.50
64P	31.50	34.00	37.60	34.10	32.50
68P	33.50	36.00	39.60	36.10	34.50





1.MATERIAL COVER FILM : PI CONDUCTOR : COPPER BASE FILM : PI STIFFENER : PI ADHESIVE : THERMOSETTING ADHESIVE 2.FINISH Au OVER NI UNDER PLATING

Rev.12



Plug for Cable Assembly

ITEMS	SPECIFICATION			
RATING VOLTAGE	50V AC (PER CONTACT PIN)			
RATING AMPERAGE (FOR CONTACT)	0.5A DC (PER CONTACT PIN) / 0.35A DC(AVAILABLE FOR ALL PIN)			
OPERATING TEMPERATURE	233~378K(-40°C~+105°C)			
OPERATING HUMIDITY	90% MAX.(NON-CONDENSING)			
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 40mohm MAX. / AFTER TEST : ⊿20mohm MAX.			
INSULATION RESISTANCE	INITIAL : 500Mohm MIN. / AFTER TEST : 500Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min			
DURABILITY	20 CYCLES			
	20P : 8.0N MIN.			
	30P : 12.0N MIN.			
	40P : 16.0N MIN.			
CABLE RETENTION FORCE	50P : 20.0N MIN.			
CABLE RETENTION FORCE	55P : 22.0N MIN.			
	60P : 24.0N MIN.			
	64P : 25.6N MIN.			
	68P : 27.2N MIN.			
PRODUCT SPECIFICATION	PRS-2039			
TEST REPORT	TR-14129			
PACKING STANDARD	PST-14086			
INSTRUCTION MANUAL	HIM-15007			
APPEARANCE CRITERIA No.	QLS-A***			

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