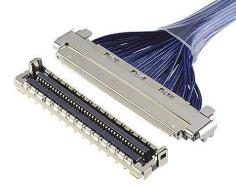
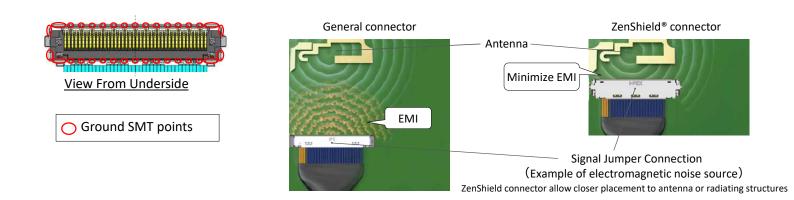
CABLINE®-UM

Fully-shielded and multi-point ground, Mechanical lock, High-data-rate transfer (20 Gbps/lane), 0.4 mm pitch, Right angle vertical mating type micro-coaxial connector

Product Specifi	cations:		Applicable Cable Size:		
Mating 1	type	Right Angle Vertical		Maximum O.D. (mm)	0.4
Board Pitch	n (mm)	0.4		Micro-Coaxial	45 ohm: #38 or smaller
Wiping Leng	th (mm)	0.65		for Signal (AWG)	50 ohm: #40 or smaller
	With Lock Cover : 2.2 +/- 0.15			Twin Coaxial (AWG)	#40, #42
	Height	Without Lock Cover : 2.0 +/- 0.15		Discrete (AWG)	#34 or smaller
Mated size (mm)		With Pull Tape Holder: 2.2 +/- 0.15			
(((((()))))))))))))))))))))))))))))))))	Width	Formula: 5.0 + (0.4 * ? p)			
	Depth	5.0 with lock cover		Applicable Standards (Re	eference Only):
Pin Counts	Range Up to 60			USB4/Thunderbolt 4 (20	
Available 30, 40, 60			(16GT/s), eDP HBR 3 (8.1	Gbps)	
* Please inquire for	pin counts n	ot listed or outside of the pin count range.			

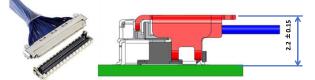


ZenShield[®] fully-shielded with multi-point grounds to prevent EMI leakage

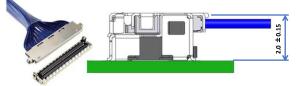


Wide range of variations

With Lock Cover---Enhanced mating retention force

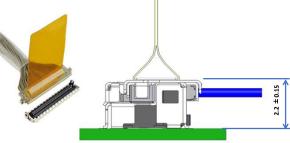


Without Lock Cover---Low profile

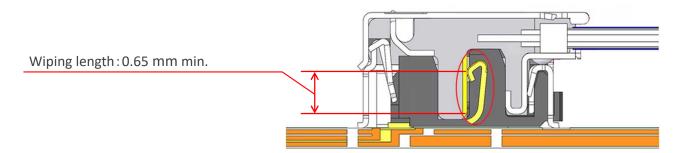


1

With Pull tape holder---Improve unplug efficiency



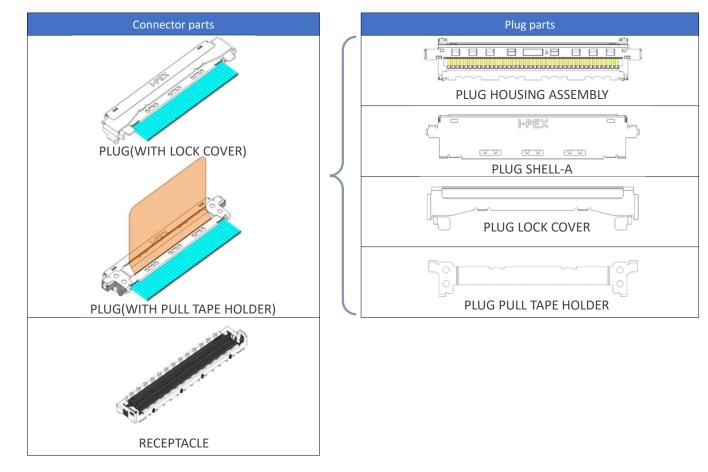
High contact reliability





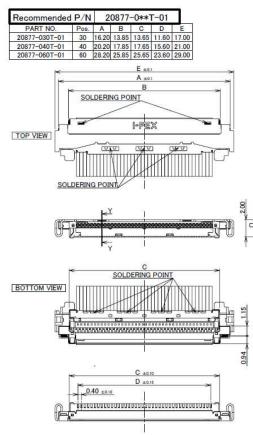
Component Parts Details

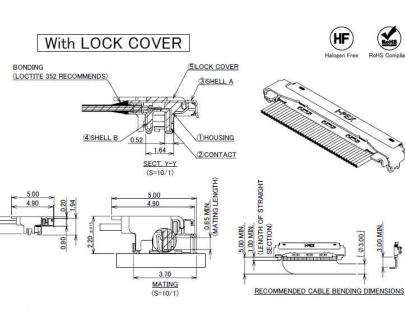
Component Parts



I-PEX

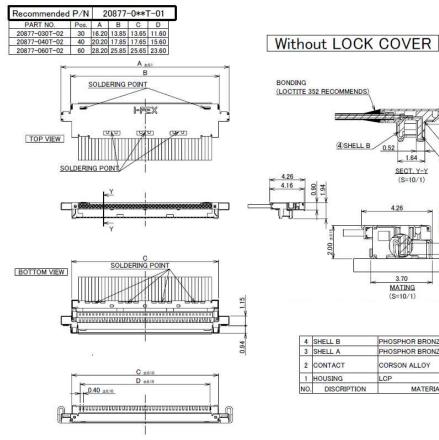
Plug for Cable Assembly

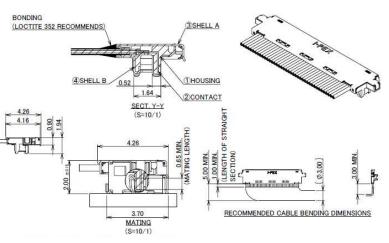




10.	DISCRIPTION	MATERIAL	FINISH, REMARKS
1	HOUSING	LCP	UL94V-0 ,BLACK
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.0 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
3	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.
4	SHELL B	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.
5	LOCK COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.0 µ m MIN.

(HF)

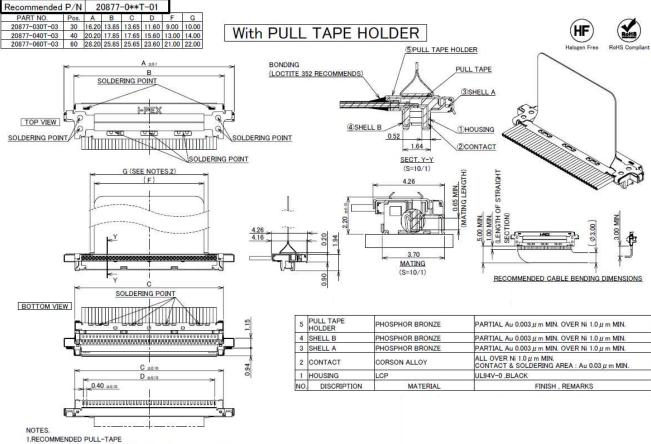




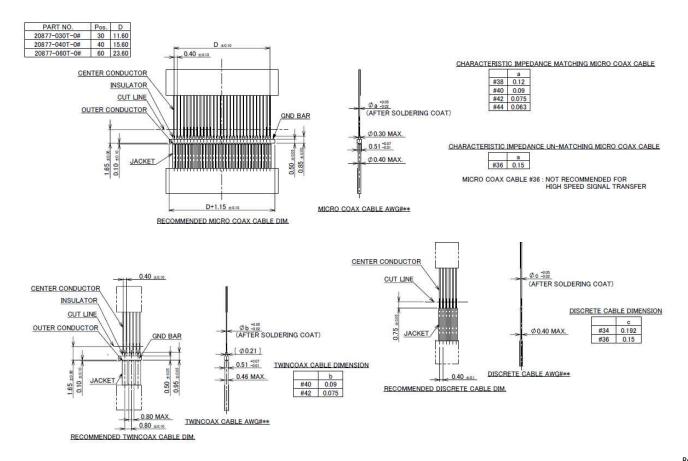
NO	DISCRIPTION	MATERIAL	FINISH, REMARKS					
1	HOUSING	LCP	UL94V-0 ,BLACK					
2	CONTACT	CORSON ALLOY	ALL OVER NI 1.0μ m MIN. CONTACT & SOLDERING AREA : Au 0.03μ m MIN.					
3	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.					
4	SHELL B	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVER Ni 1.0 µ m MIN.					

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Plug for Cable Assembly



PULL-TAPE : TERAOKA's INSULATION TAPE No.650S(#50) t=0.08 2.PULL-TAPE CAN BE PUT WITHIN THE RANGE OF "G" STRIAGHT AREA.



I-PEX

Rev 10

Plug Housing Assembly

I TUS TIOU	ASING ASSEMBLY					
Recommended	P/N 20878-0**T-01					
PART No.	Pos. A B C D E	FGH				~ ~
20878-030T-01	1 30 13.65 11.60 16.20 12.01 8.00	13.00 12.65 4.0			(
20878-040T-01 20878-060T-01		17.00 16.65 8.0 25.00 24.65 16.00				RoHS
20070-0001-01	00 23.00 23.00 28.20 24.01 20.00	23.00 24.00 10.00			Halo	gen Free RoHS Compliant
					Caller &	
					CHEEL &	
	A				Setting a	
	< ~ ~ >				S	
					~	
L	_1°&					A Craw
19	C ±0.1					
1	A				(7110)	USING
	r G >		0.21	_0.65	SULDERING AREA	JSING
		0.94		<		
		0		4		A P
		-	Ъ	4	Torrest fill	-}
TOP VIEW				1		84
	and the second s	1.05	14CB			1)
	4.00			3SHELL B		
	E E		10.0		9/8	¥
	<u>− B ±01</u> →		- 0.40 ±0.1	(2)CONTAC	I SECT AN AN	
	A A				SECT. AA-AA S=(20/1)	
	× 7	-14 - 2004-1				
	- AA	² × 3.81 × 8				
Ē						
5						
	AA	1.64				
		2.53	lana a			
		AI	Cherry State (as)	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVE ALL OVER Ni 1.00 µ m MIN.	R Ni 1.00 μ m MIN.
			17	CORSON ALLOY	CONTACT & SOLDERING AREA	: Au 0.03 µ m MIN.
BOTTOM VIEW		and the second se	HOUSING	LCP	UL94V-0 BLACK	
BOLLOW VEW L		NO	DISCRIPTION	MATERIAL	FINISH , REM	IARKS
	(0,4)					

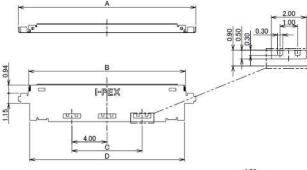
Rev.4

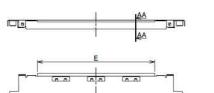
Plug Shell-A

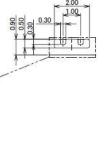
Recommended	P/N	348	38-0**	1			
PART No.	Pos.	A	В	C	D	E	
3488-0301	30	16.20	13.88	4.00	13.65	9.36	
3488-0401	40	20.20	17.88	8.00	17.65	13.36	
3488-0601	60	28.20	25.88	16.00	25.65	21.36	

(0.4)

B ±01

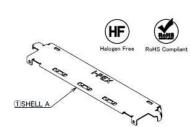


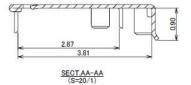








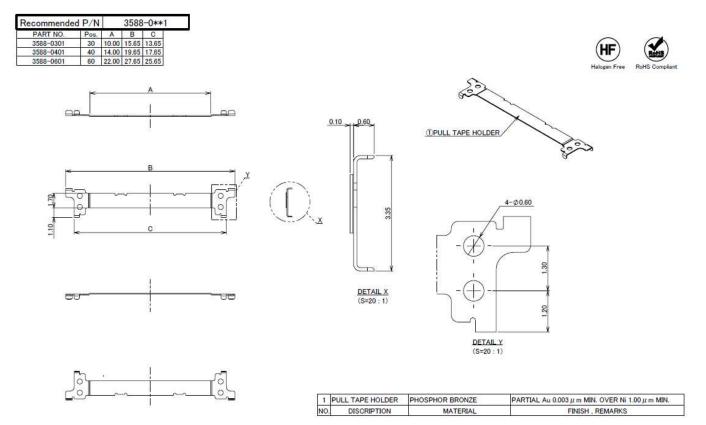




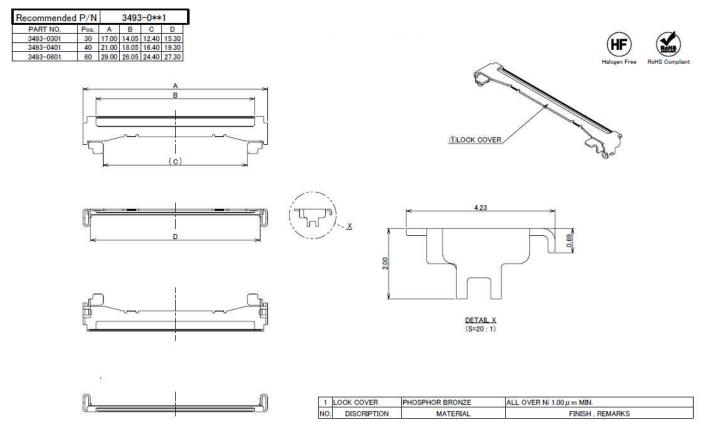
1	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN. OVER Ni 1.00 µ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS



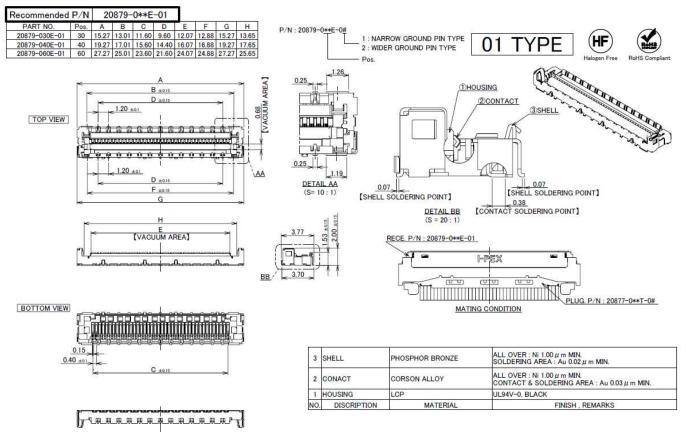
Plug Pull Tape Holder

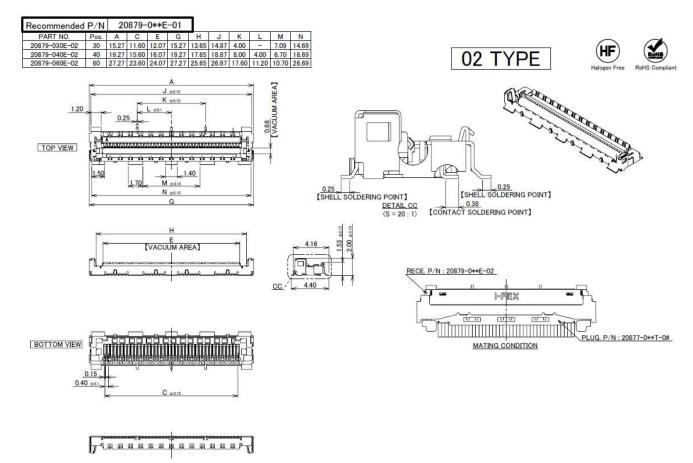


Lock Cover

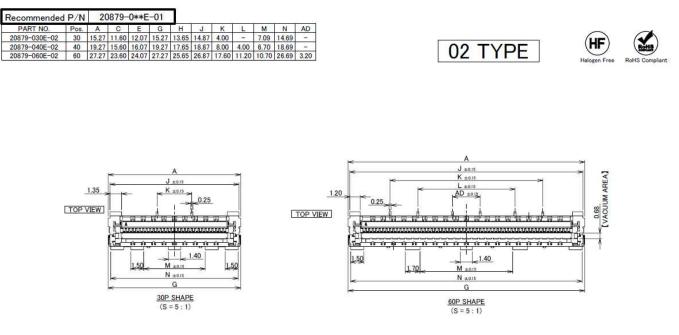


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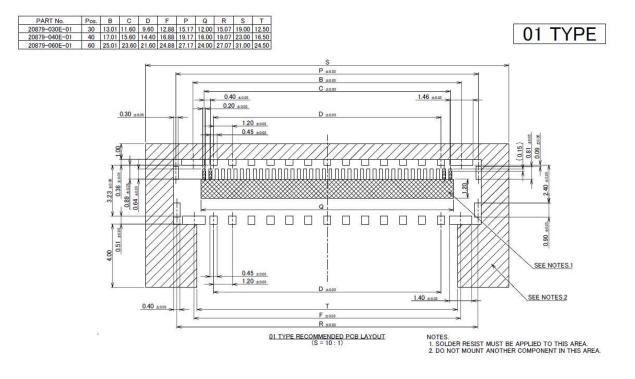








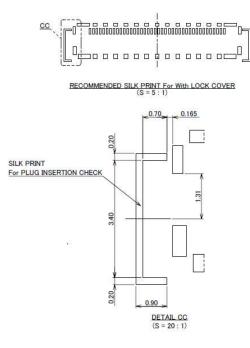
Rev.10

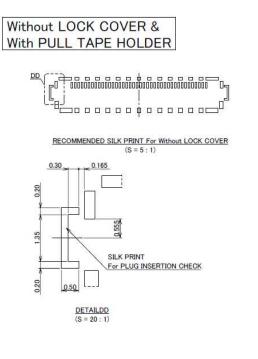


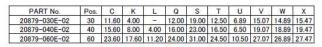
PART No.	Pos
20879-030E-01	30
20879-040E-01	40
20879-060E-01	60

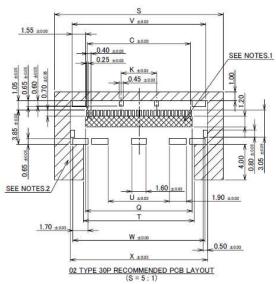
01 TYPE

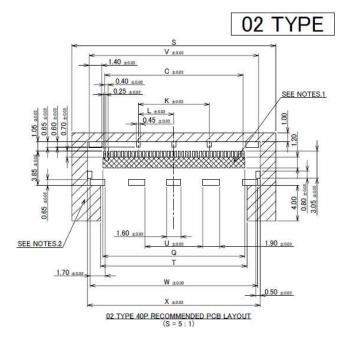
With LOCK COVER







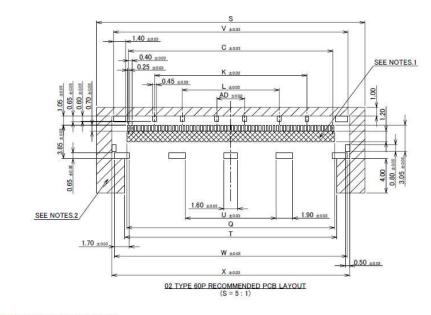




NOTES. 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA. 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

PART No.	Pos.	C	K	L	Q	S	Т	U	V	W	X	AD
20879-030E-02	30	11.60	4.00	1 H 1	12.00	19.00	12.50	6.89	15.07	14.89	15.47	-
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47	
20879-060E-02	60	23.60	17.60	11.20	24.00	31.00	24.50	10.50	27.07	26.89	27.47	3.20



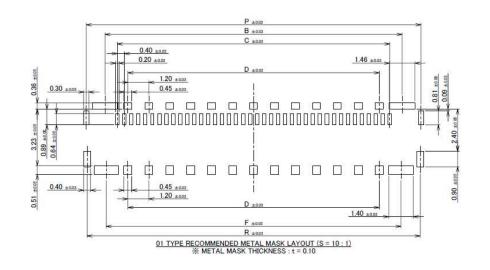


NOTES. 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA. 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

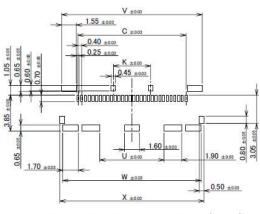
Rev.10

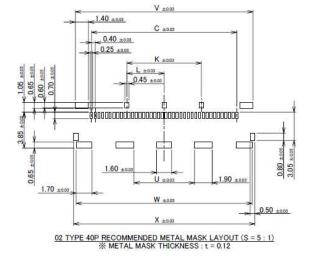
01 TYPE

PART No.	Pos.	В	С	D	F	P	R
20879-030E-01	30	13.01	11.60	9.60	12.88	15.17	15.07
20879-040E-01	40	17.01	15.60	14.40	16.88	19.17	19.07
20879-060E-01	60	25.01	23.60	21.60	24.88	27.17	27.07



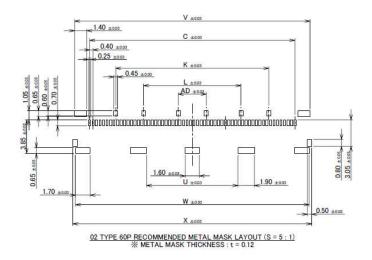
PART No.	Pos.	С	K	L	U	V	W	Х
20879-030E-02	30	11.60	4.00	-	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47





02 TYPE

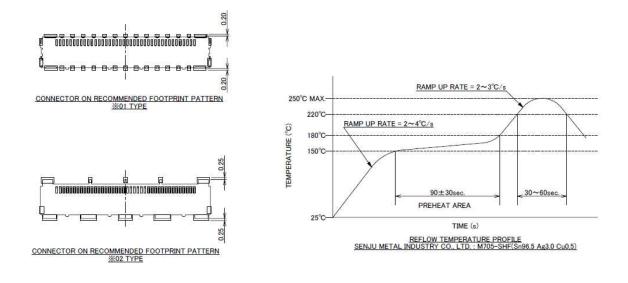
PART No.	Pos.	C	к	L	U	V	W	Х	AD
20879-030E-02	30	11.60	4.00		6.89	15.07	14.89	15.47	-
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47	
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47	3.20



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02 TYPE



Rev.10

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36 , 34 TWINCOAX : AWG# 40 , 42
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 49 CONTACTS 0.3A AC/DC [AWG#30] PER CONTACT PIN/UP TO 38 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 38 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 12 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 12 CONTACTS 3% TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~378K(-40°C~+105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : <u>/</u> 40mohm MAX. 275mohm MAX.(AWG#36) 360mohm MAX.(AWG#38) 600mohm MAX.(AWG#40) 700mohm MAX.(AWG#42) 1080mohm MAX.(AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : 240mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 34.00N MAX. 60P : 52.00N MAX. 40P : 40.00N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 60P : 6.0N MAX. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 60P : 29.40N MAX. 40P : 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2514
TEST REPORT	TR-18067 (RECEPTACLE:20879-0**E-01) TR-18088 (RECEPTACLE:20879-0**E-02)
PACKING STANDARD	PST-18043
INSTRUCTION MANUAL	HIM-18033
ASSEMBLY MANUAL	ASM-18003
APPEARANCE CRITERIA No.	QLS-A***



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> Contact your sales representative or more detailed information.

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