CABLINE®-CA II PLUS

Fully-shielded with mechanical lock, High-data-rate transfer (32 Gbps/lane), 0.4 mm pitch, Horizontal mating type micro-coaxial connector

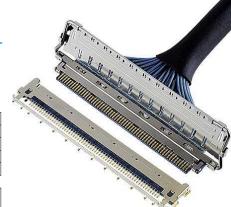
	Product Specifications:							
	Matin	g type	Horizontal					
	Board Pit	ch (mm)	0.4					
	Wiping Le	ngth (mm)	0.54					
		Height	1.2 max. with cover					
	Mated size (mm)	Width	Formula: 6.95 + (0.4*?p)					
	(11111)	Depth	6.7					
	Din Counts	Range	Up to 60					

Pin Counts

Applicable Cable Size:					
Maximum O.D. (mm)	0.4				
Micro-Coaxial	45 ohm: #38 or smaller				
for Signal (AWG)	50 ohm: #40 or smaller				
Twinax (AWG)	#40, #42				
Discrete (AWG)	#34 or smaller				

Applicable Standards (Reference Only):

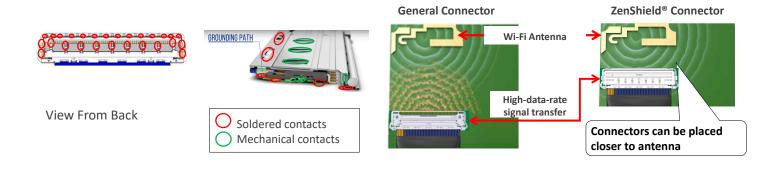
USB4 Gen4(40Gbps/Lane PAM3), USB4 Gen3/Thunderbolt 4 (20 Gbps/lane), PCIe® Gen 4 (16 GT/s), eDP HBR 3 (8.1 Gbps)



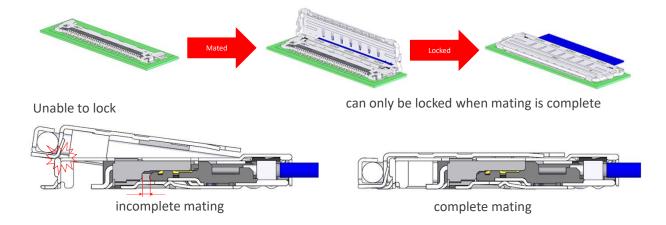
60

Available

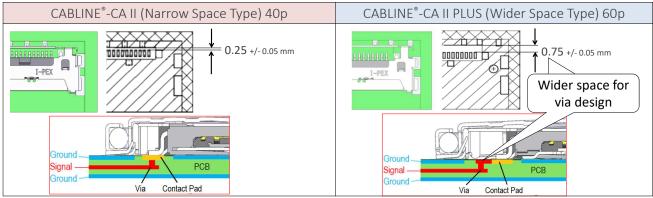
ZenShield® fully-shielded with multi-point grounds to prevent EMI leakage



Mechanical locking cover prevents incomplete mating and back-out/un-mating



Wider space for vias on PCB (for Non-Via-In-Pad type PCB trace design)



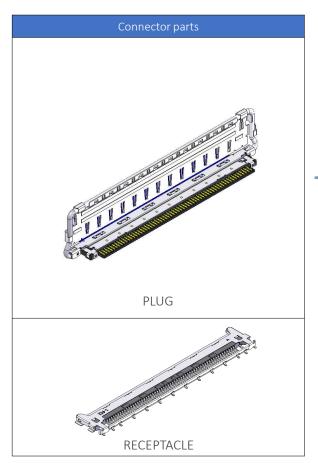


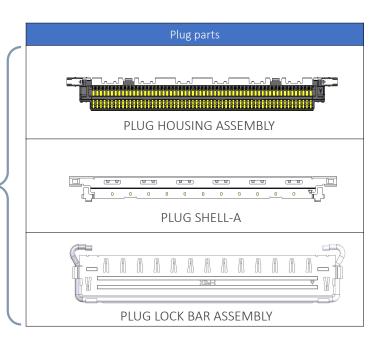
^{*} Please inquire for pin counts not listed or outside of the pin count range

^{*20, 30, 40, 50}p are also available with CABLINE®-CA II (narrow space type)

Component Parts Details

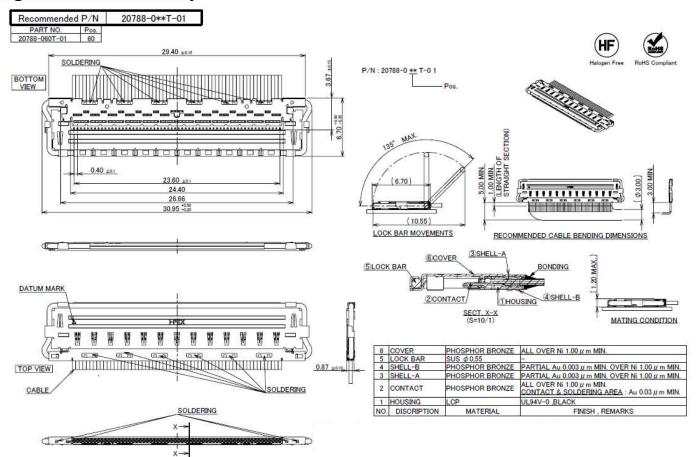
Component Parts

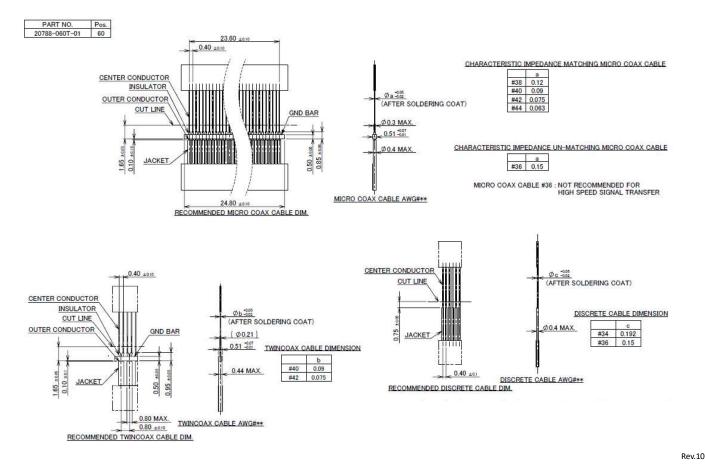






Plug for Cable Assembly

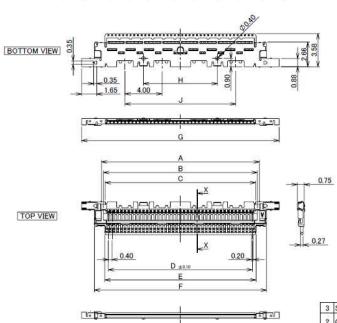


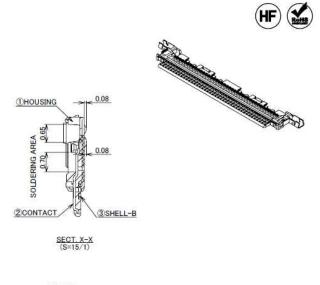


Rev 10

Plug Housing Assembly

Recommende	d P/N	1 2	0680-	-0**T	-01					
PART NO.	Pos.	Α	В	C	D	E	F	G	Н	J
20680-020T-01	20	9.10	8.65	8.30	7.60	8.40	10.66	13.40	-	5.00
20680-030T-01	30	13.10	12.65	12.30	11.60	12.40	14.66	17.40	4.00	8.00
20680-040T-01	40	17.10	16.65	16.30	15.60	16.40	18.66	21.40	8.00	12.00
20680-050T-01	50	21.10	20.65	20.30	19.60	20.40	22.66	25.40	12.00	16.00
20680-060T-01	60	25.10	24.65	24.30	23.60	24.40	26.66	29.40	16.00	20.00





- NOTES.

 1. THIS PART IS ASSEMBLED WITH SHELL A(P/N 3204-0**1) AND LOOK BAR ASSY(P/N 20081-0**1-01) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N 20679-0**1-01

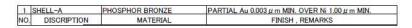
 2. THIS PART IS ASSEMBLED WITH SHELL A(P/N 3204-0**1) AND LOOK BAR ASSY(P/N 20789-0**1-01) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N 20788-0**1-01

NO.	HOUSING DISCRIPTION	LCP MATERIAL	UL94V-0 ,BLACK FINISH , REMARKS
	CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA: Au 0.03 μ m MIN.
3	SHELL-B	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.

Rev.7

Plug Shell-A

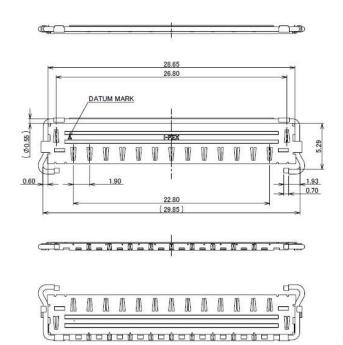
Recommende	d P/N	32	04-0	**1				
PART NO.	Pos.	A B	С	D E				
3204-0201	20 1	3.40 7.88	10.66	2.50 5.0				
3204-0301		7.40 11.88		3.00 9.0				(HF) (NHS)
3204-0401		1.40 15.88		3.25 13.0				· · · · · · · · · · · · · · · · · · ·
3204-0501		5.40 19.88						
3204-0601	60 2	9.40 23.88	26.66	4.00 20.0	00			
[TOP VIEW]	· ·		(U U)	A B DATUM	M MARK	(<u>F</u>),	0.84 160 282 DETAIL M (S=20/1)	DSHELL-A STAR
BOTTOM VIEW						900	1.80 1.00 0.30 DETAIL L (S=15/1)	
		. × D	> _E	[=D × (n-1))		(S=15/1)	

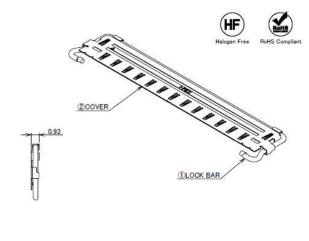




Lock Bar Assembly



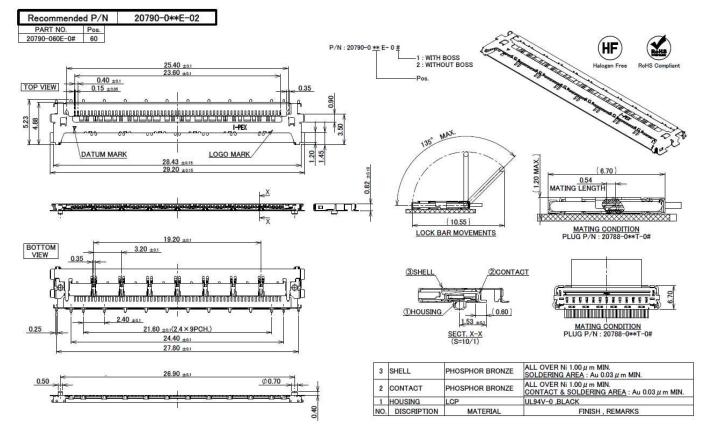




2	COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 µ m MIN.
1	LOCK BAR	SUS Ø 0.55	
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

Rev.9

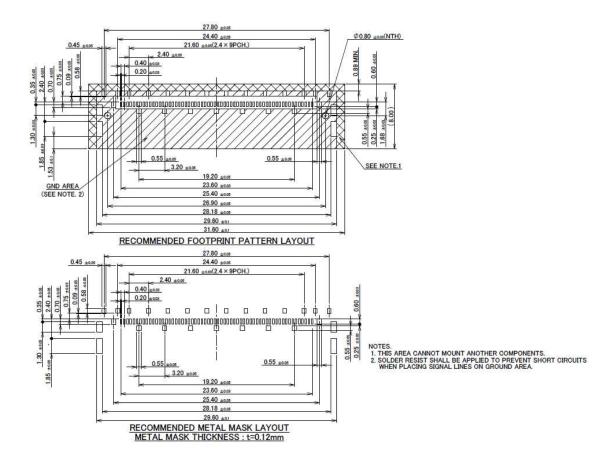
Receptacle Assembly

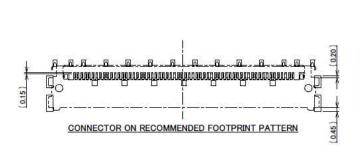


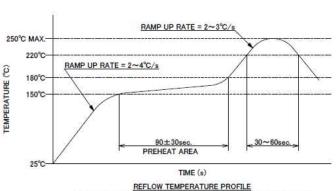
Rev.12



Receptacle Assembly







REFLOW TEMPERATURE PROFILE SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96.5 Ag3.0 Cu0.5)

I-PEX

Rev.12

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)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT / UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT / UP TO 60 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT / UP TO 60 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT / UP TO 18 CONTACTS 0.8A AC/DC [AWG#38] PER CONTACT / UP TO 6 CONTACTS 1.0A AC/DC [AWG#36] PER CONTACT / UP TO 6 CONTACTS 1.0A AC/DC [AWG#36] PER CONTACT / UP TO 6 CONTACTS ***XTESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	248~378K(-40°C~105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
CONTACT RESISTANCE	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: ∠140mohm MAX. 275mohm MAX.(AWG#38) 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 30 CYCLES)	29.10N MAX.
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	6.0N MIN.
CABLE RETENTION FORCE	29.40N MIN.
PRODUCT SPECIFICATION	PRS-2261
TEST REPORT	TR-16075
INSTRUCTION MANUAL	HIM-16028
ASSEMBLY MANUAL	ASM-16004
APPEARANCE CRITERIA NO.	QLS-A***

Rev.10





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