Micro-Coaxial Connector

CABLINE®-CA II PLUS

Horizontal

1.2 max. with cover

Formula: 6.95 + (0.4*?p)

0.4

0.54

67

Up to 60

Fully-shielded with mechanical lock, High-data-rate transfer (20 Gbps/lane), 0.4 mm pitch, Horizontal mating type micro-coaxial connector

-		11 × 11 × 11		
5.00	1. 200	11 1		
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]			and the second second	

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60 * Please inquire for pin counts not listed or outside of the pin count range *20, 30, 40, 50p are also available with CABLINE®-CA II (narrow space type)

Product Specifications:

Mated size

(mm)

Pin Counts

Mating type

Board Pitch (mm)

Wiping Length (mm)

Height

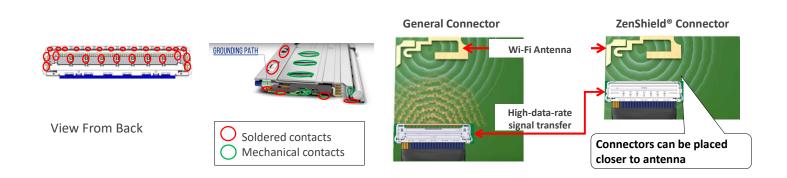
Width

Depth

Range

Available

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



Applicable Cable Size:

Maximum O.D. (mm)

Micro-Coaxial

for Signal (AWG)

Twin Coaxial (AWG)

Discrete (AWG)

Applicable Standards (Reference Only):

0.4

#40

Thunderbolt 3 (20 Gbps/lane), PCIe® Gen 4 (16 GT/s),

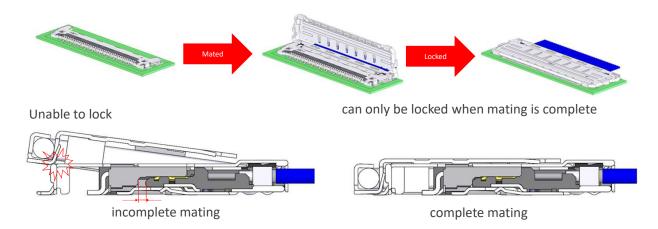
USB® 3.1 Gen 2 (10 Gbps), eDP HBR 3 (8.1 Gbps)

45 ohm: #38 or smaller

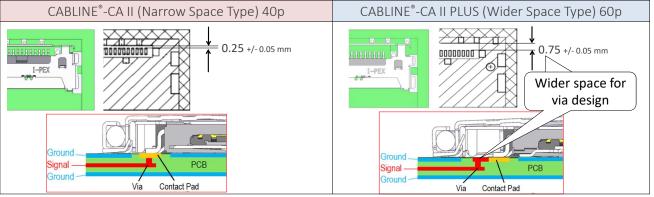
50 ohm: #40 or smaller

#34 or smaller

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



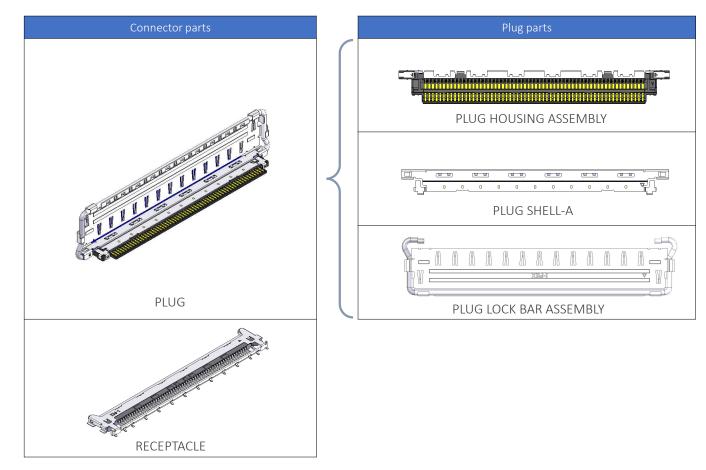
Wider space for vias on PCB (for Non-Via-In-Pad type PCB trace design)





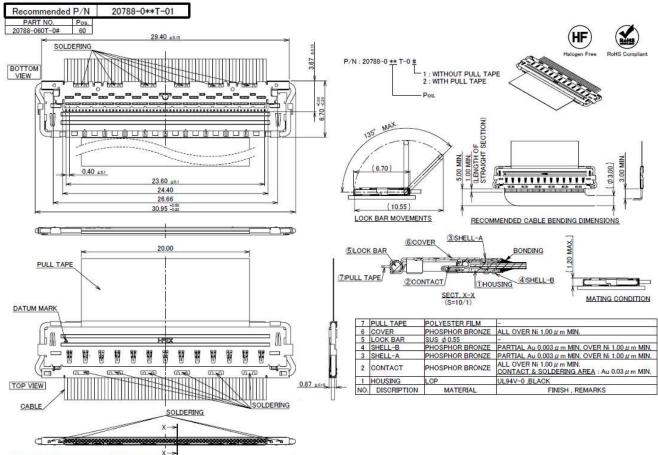
Component Parts Details

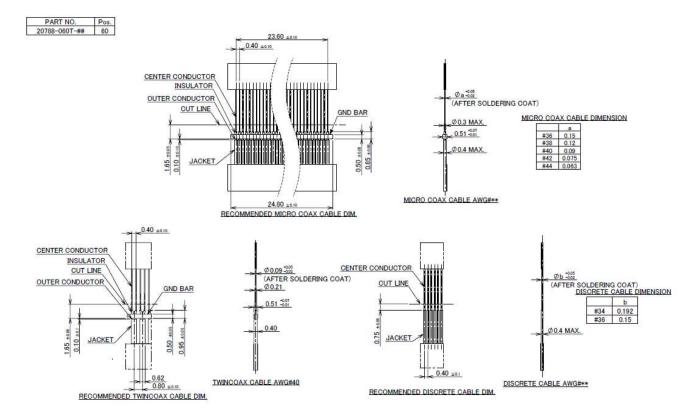
Component Parts



I-PEX

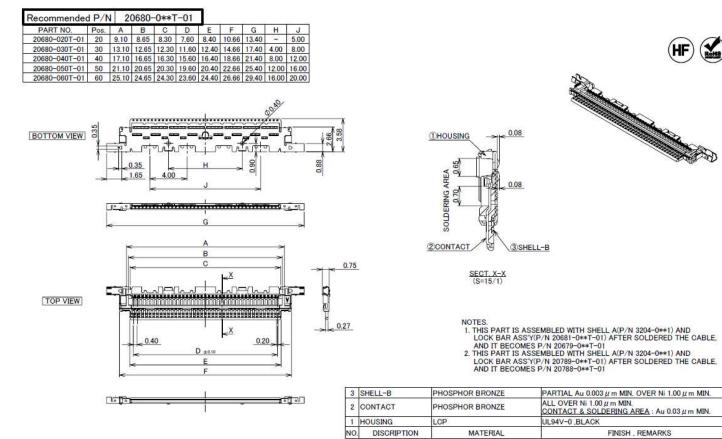
Plug for Cable Assembly





Rev.8

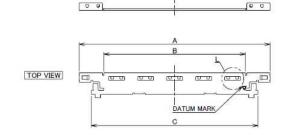
Plug Housing Assembly



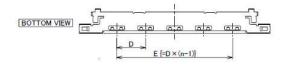
Rev.7

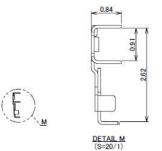
Plug Shell-A

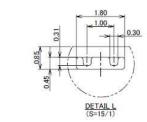
ecommende	4	3204-0**1				
PART NO.	Pos.	A	В	С	D	E
3204-0201	20	13.40	7.88	10.66	2.50	5.00
3204-0301	30	17.40	11.88	14.66	3.00	9.00
3204-0401	40	21.40	15.88	18.66	3.25	13.00
3204-0501	50	25.40	19.88	22.66	3.40	17.00
3204-0601	60	29.40	23.88	26.66	4.00	20.00



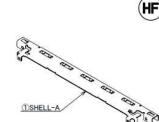






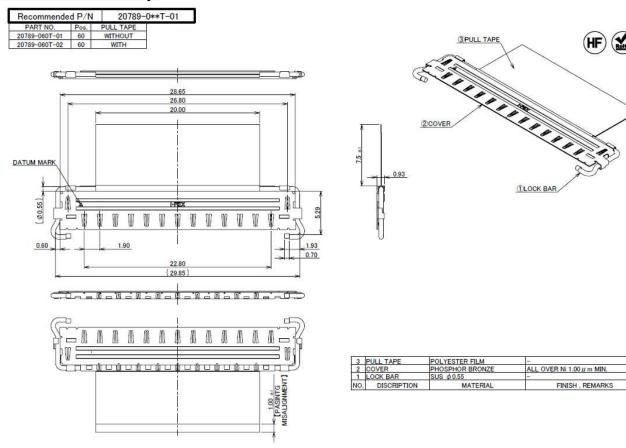


1	SHELL-A	PHOSPHOR BRONZE	PARTIAL Au 0.003 µ m MIN, OVER Ni 1.00 µ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

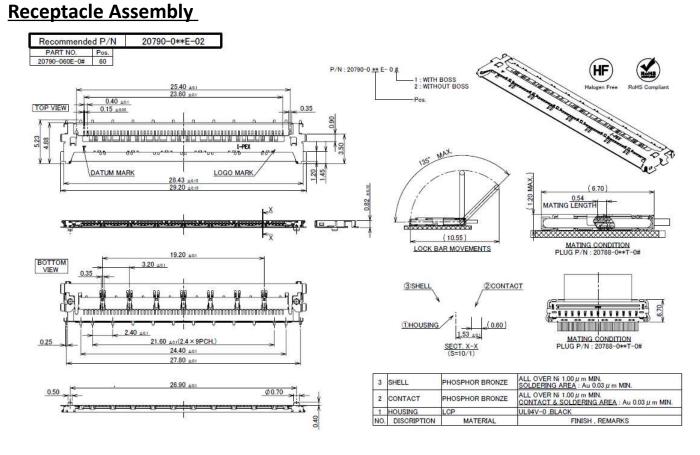


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Lock Bar Assembly



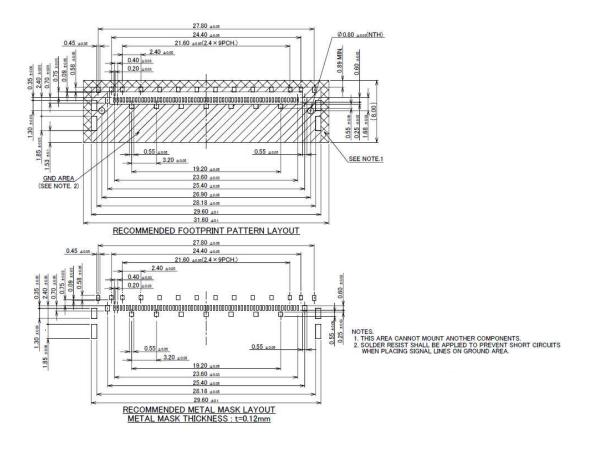
..

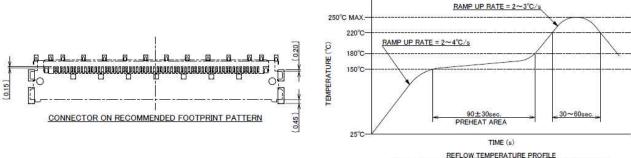


Rev.8

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Receptacle Assembly





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

ITEMS	SPECIFICATION MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36 , 34 TWINCOAX : AWG#40			
APPLICABLE CABLE				
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#42] PER CONTACT / UP TO 60 CONTACTS 0.5A AC/DC [AWG#36] PER CONTACT / UP TO 18 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT / UP TO 18 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 3.25 (AC/DC [AWG#36] PER CONTACT / UP TO 6 CONTACTS 3.26 (AC/DC [AWG#36] PER CONTACT / UP TO 6 CONTACTS 3.27 (AC/DC [AWG#36			
OPERATING TEMPERATURE	248~378K(-40°C~105°C)			
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)			
CONTACT RESISTANCE	INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : ∠/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 : 1000Mohrn MIN. / AFTER TEST : 500Mohrn 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.8





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> Contact your sales representative or more detailed information.

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