CABLINE®-SS

높은 데이터 전송률(16Gbps/레인), 소 Space, 높은 견고성, 최대(AWG 34) Cable 결성 가능, 0.4mm Pitch, 직각 수직 결합형 Micro 동축 Connector

Product Specifications:					
Mating type		Right angle vertical			
Board Pitch		0.4 mm			
Wiping Length		0.3 mm			
	Height	1.85 mm max.			
Mated Size	Width	5.8 + (0.4 x pin count) mm			
	Depth	3.0 mm			
Dia Carrata	Range	Up to 50	<i> </i> [
Pin Counts	Available	10, 14, 20, 30, 32, 35, 40, 50			

_	Applicable Cable Size:					
	Maximum O.D.	0.4 mm				
	Micro-Coaxial	45 ohm : AWG 38 or smaller				
	for Signal	50 ohm : AWG 40 or smaller				
	Twinaxial	_				
	Discrete	AWG 34 or smaller				

Applicable Standards (Reference Only):

V-by-One® US (16 Gbps/Lane), HDMI 2.1 (12 Gbps/Lane), USB3.2 Gen2 (10 Gbps/ Lane)

^{*}기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다.

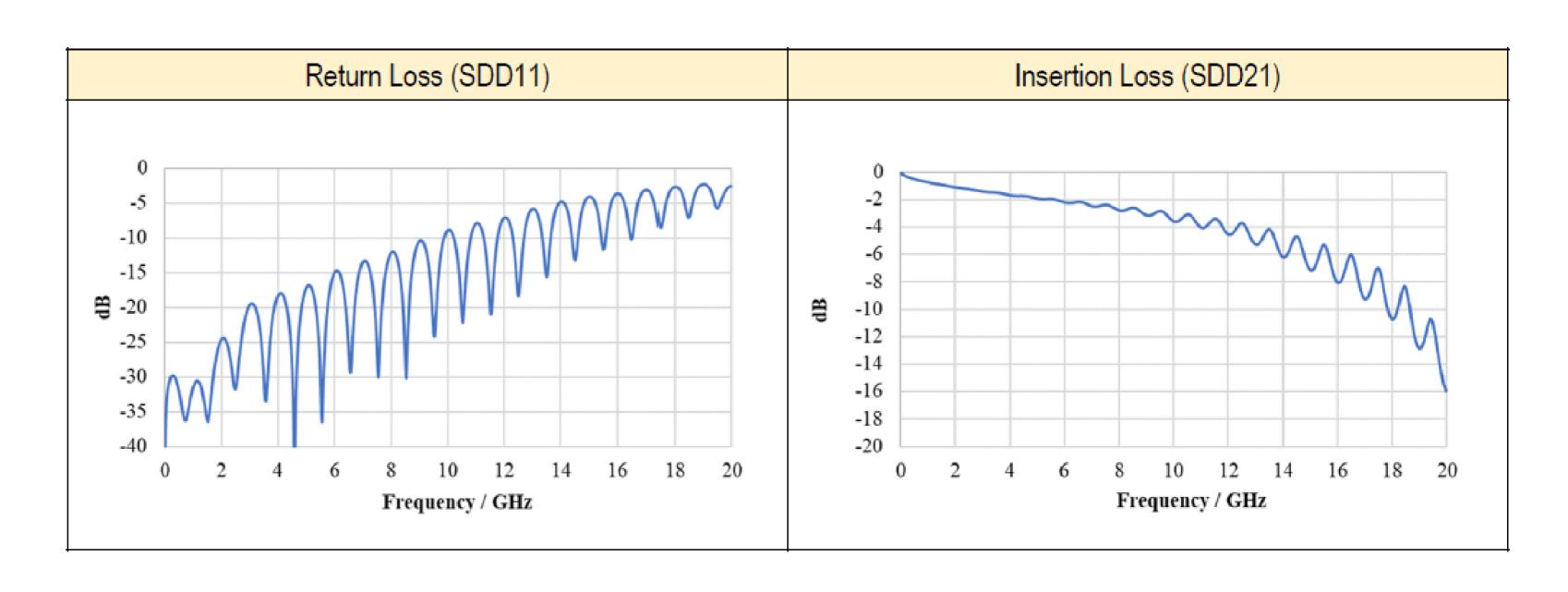


Measurement results

Connector: CABLINE-SS 40 pin

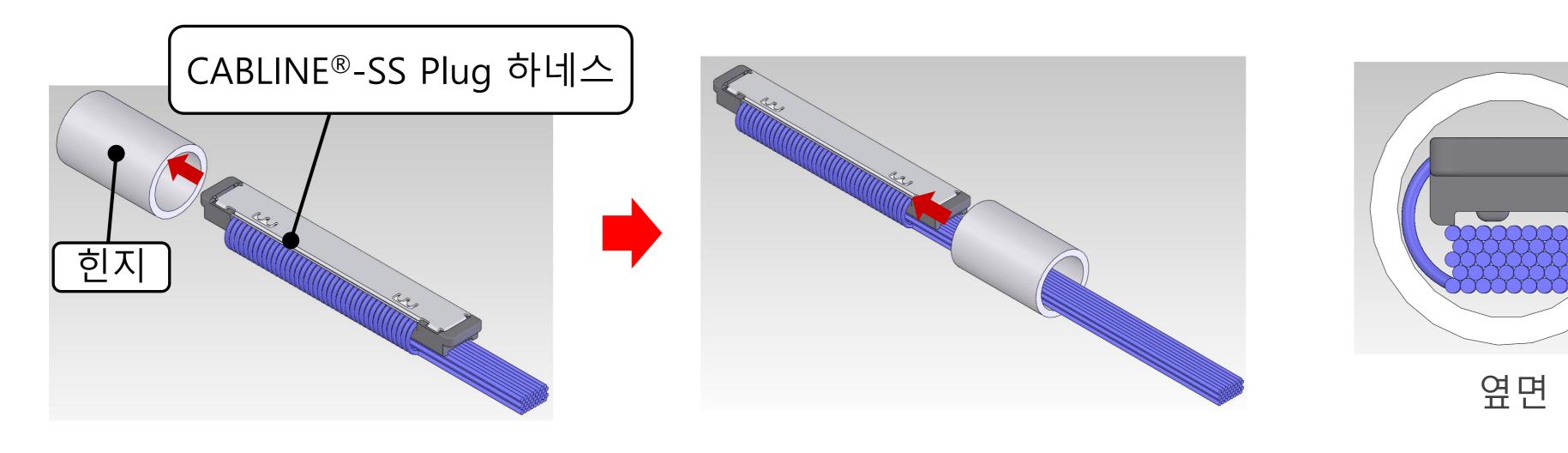
Cable: Micro-coaxial cable AWG 40, 45ohm , Length : 100 mm

Pin Assignment: GSSGSSG

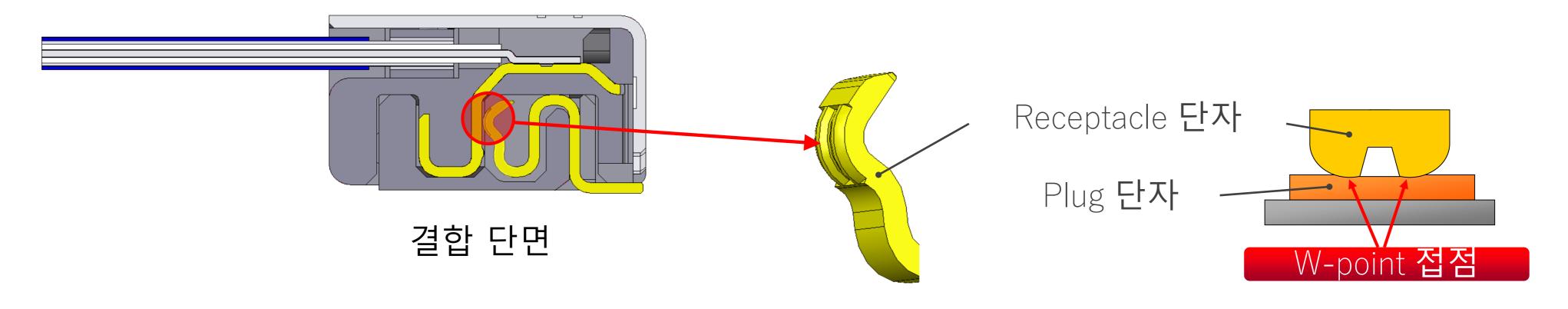


→ 작은 직경의 힌지를 통과시킬 수 있는 슬림한 디자인, 최대 직경의 파워용 케이블 AWG 34 결선 가능

하네스 가공 후 작은 직경의 힌지 통과 가능



I-PEX만의 W-Point를 통한 신뢰성 높은 단자 접점 구조

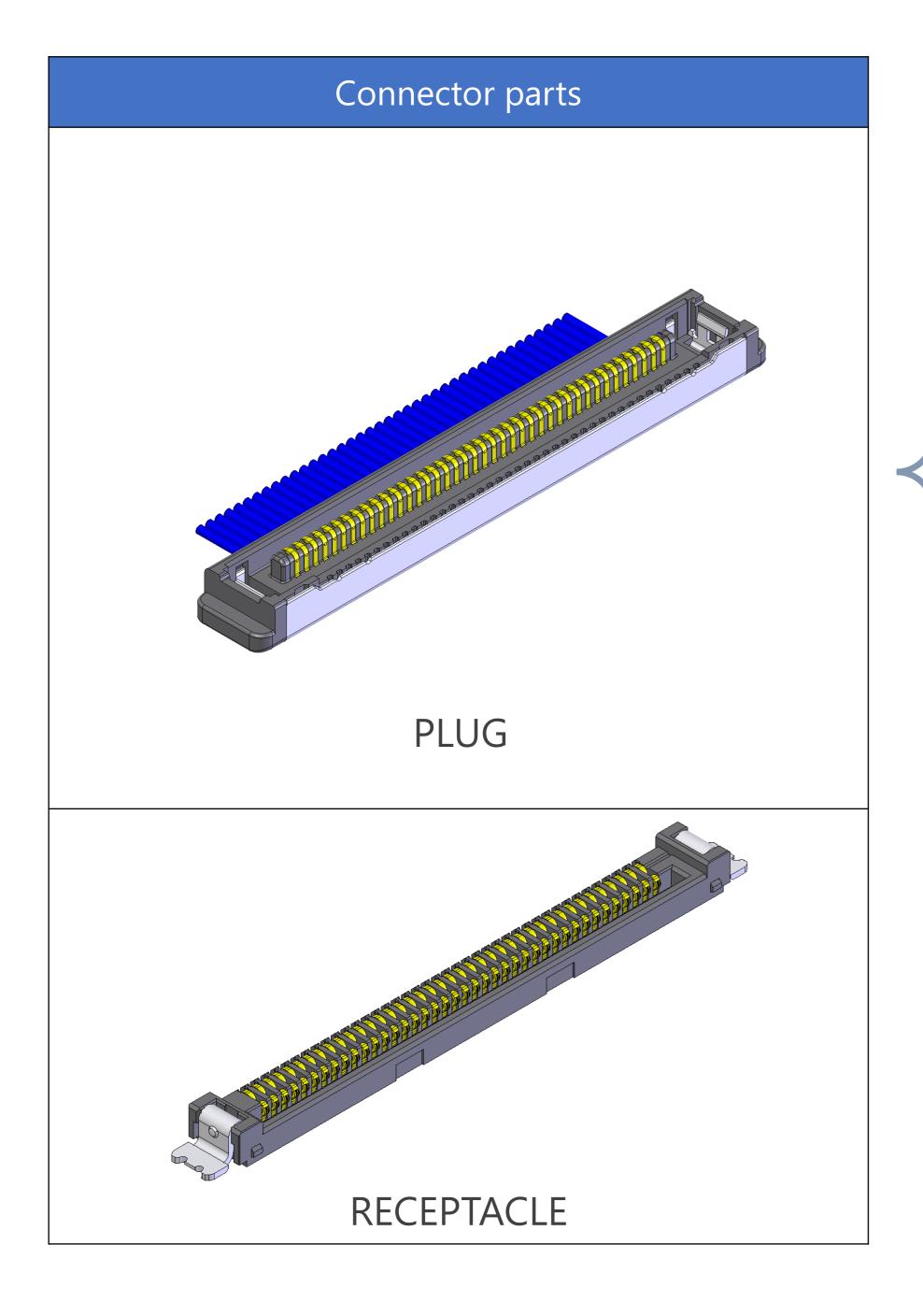


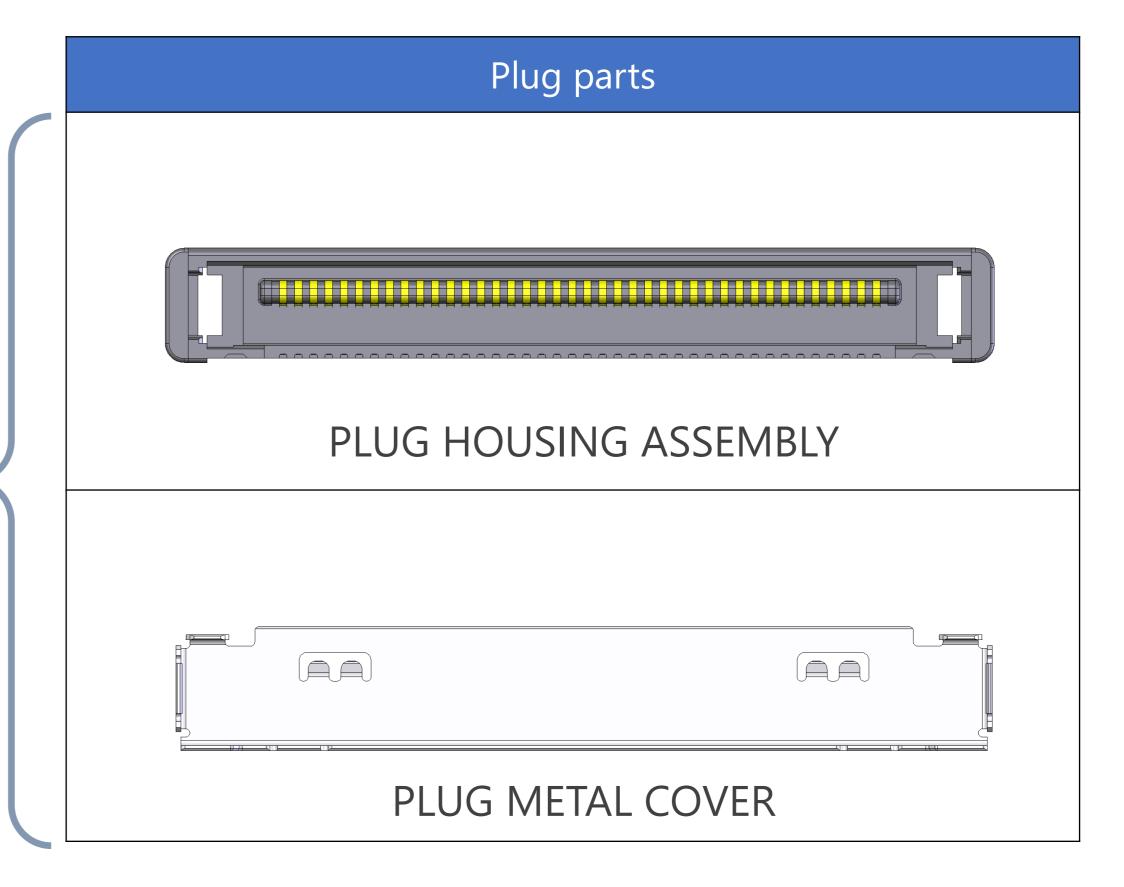
W-point 컨택 기술은 열악한 접점 환경 하에서도 Plug와 Receptacle 컨택 간의 양호한 접촉 저항값 유지가 가능합니다. 일반적인 단접점 방식과 비교하여, 보다 안정적인 접촉 저항의 유지가 가능합니다.



Component Parts Details

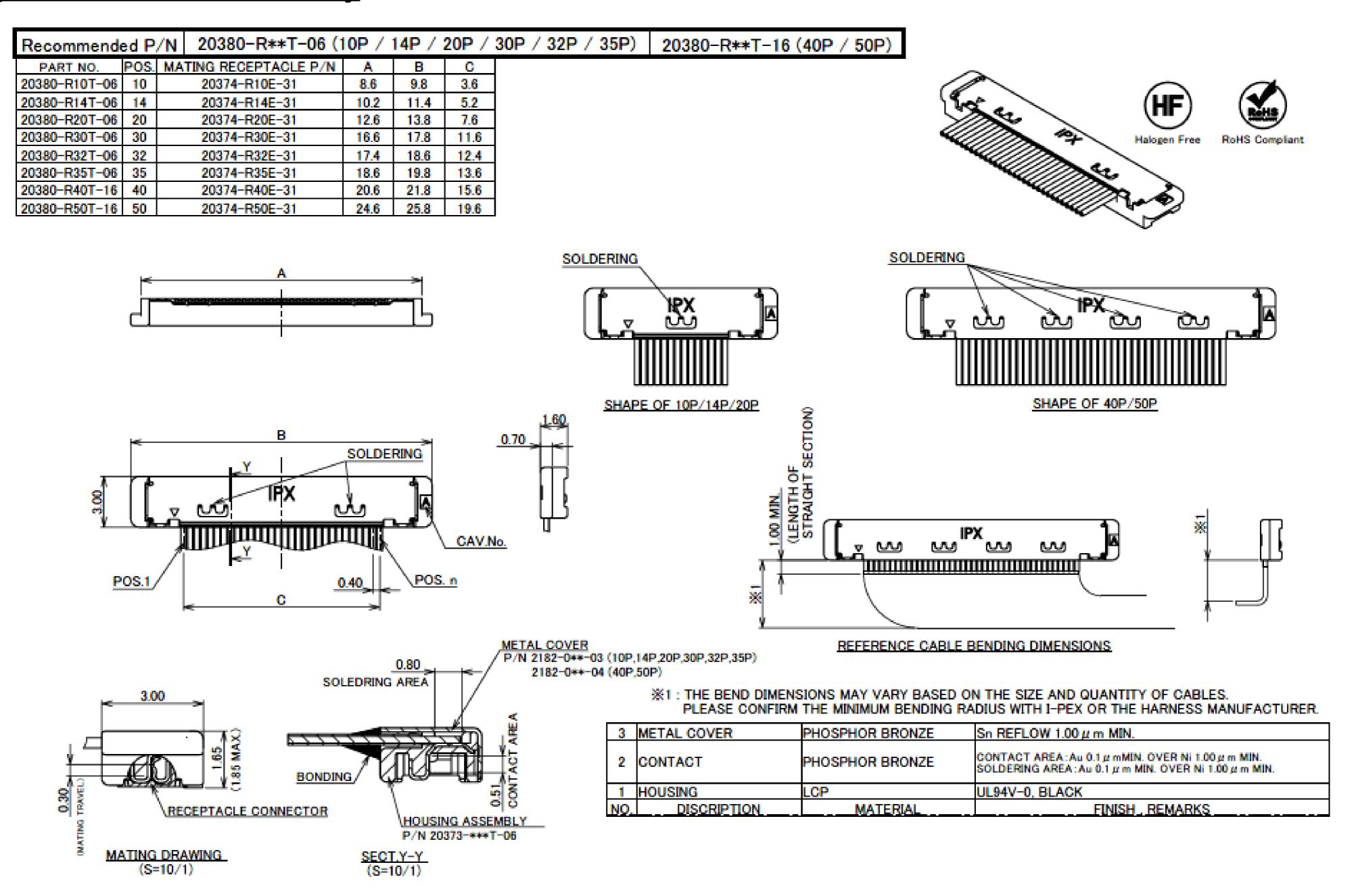
Component Parts







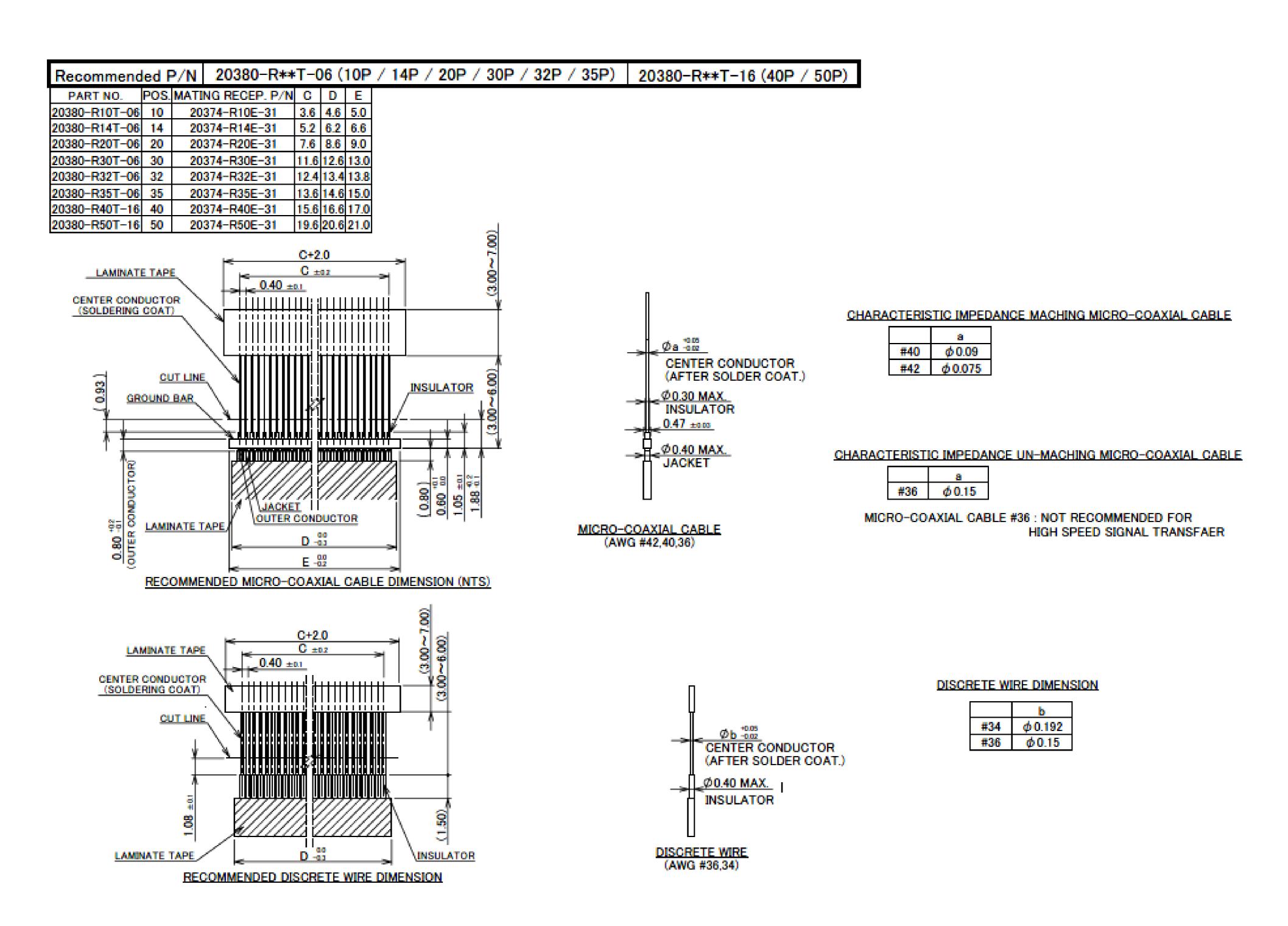
Plug for Cable Assembly



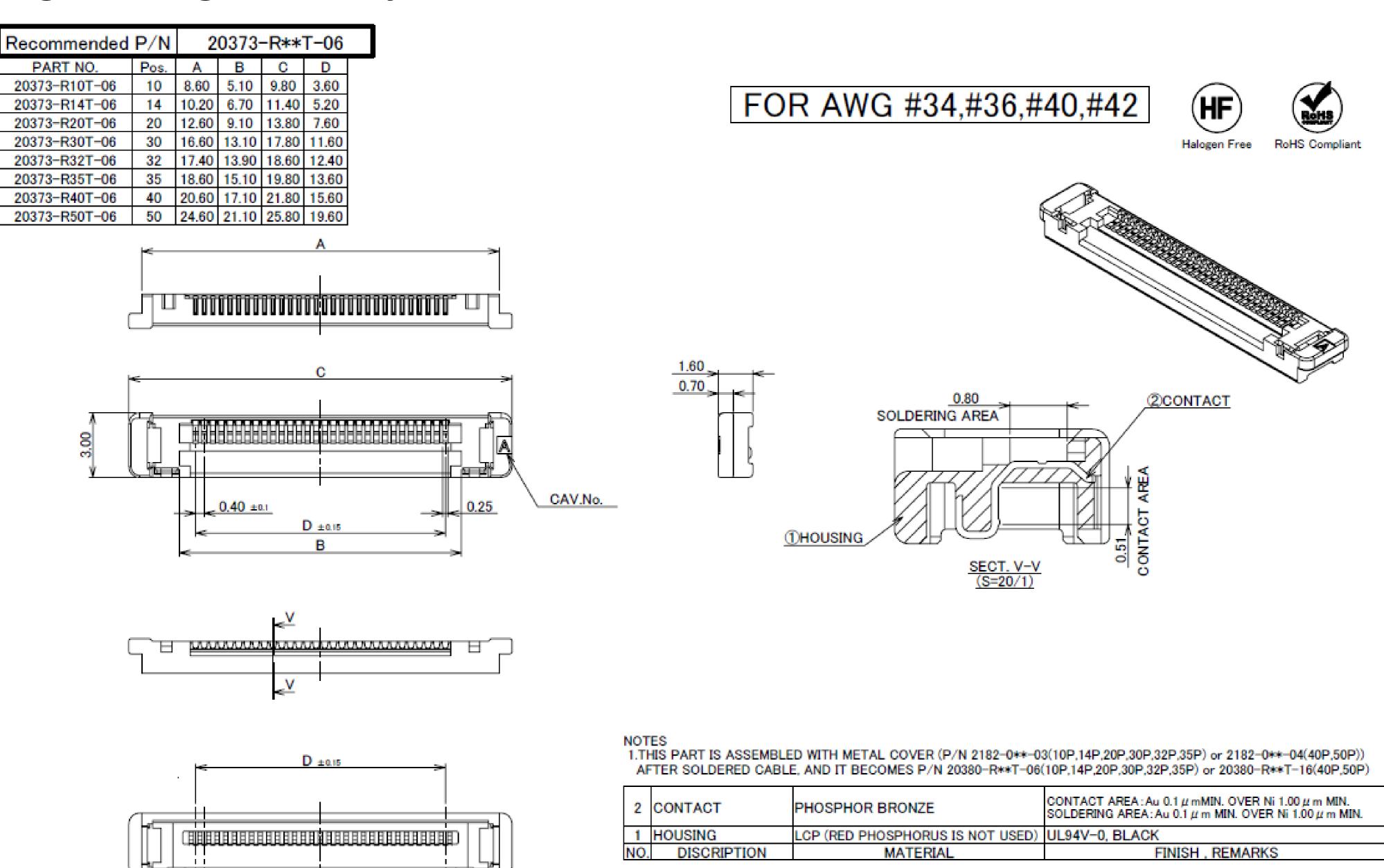
NOTES.

1. THE CABLE MUST NOT HOLD WHEN UN-MATING A CONNECTOR.

Rev.29



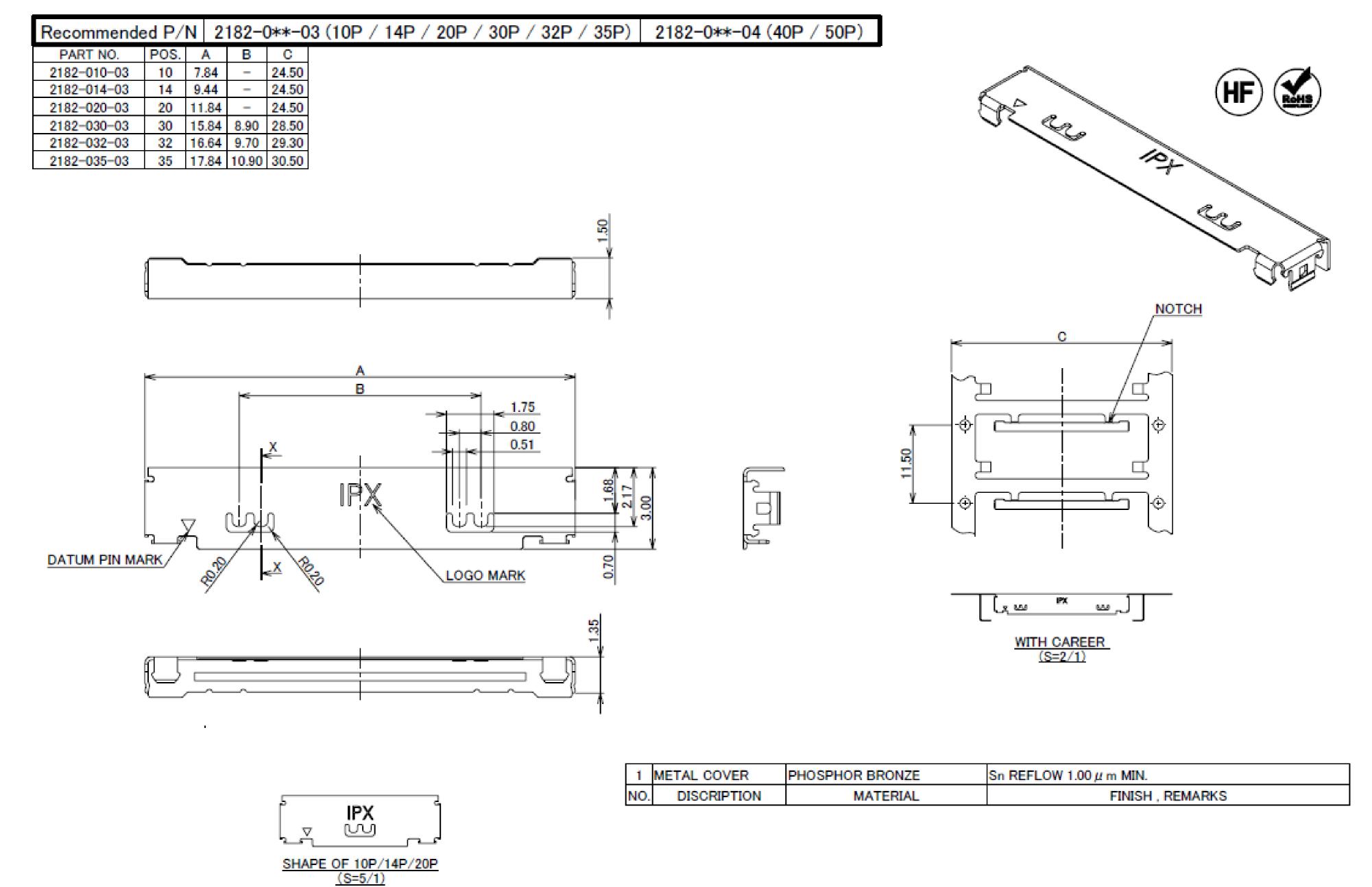
Plug Housing Assembly



Rev.22

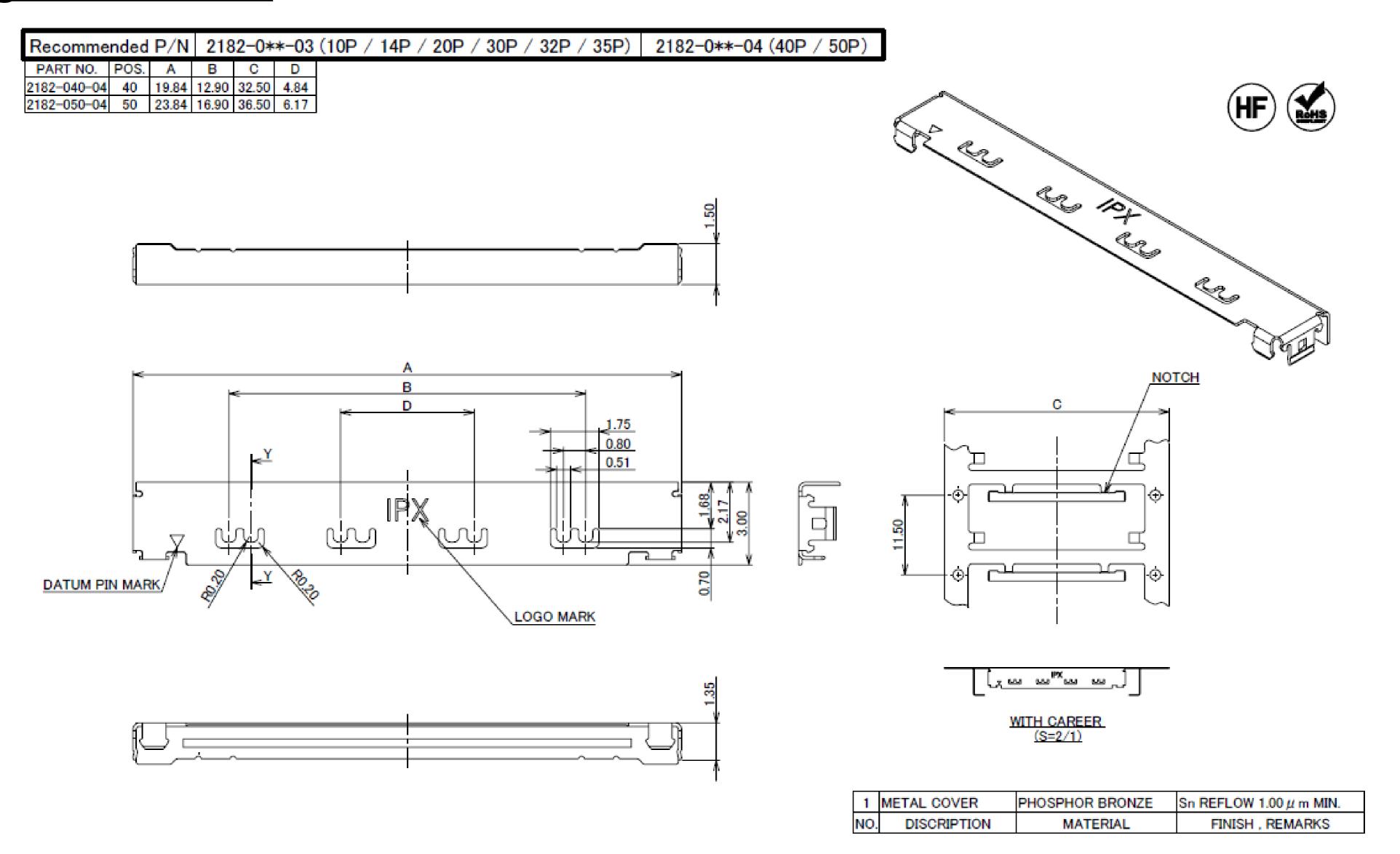
Plug Metal Cover

0.40 ±0.1



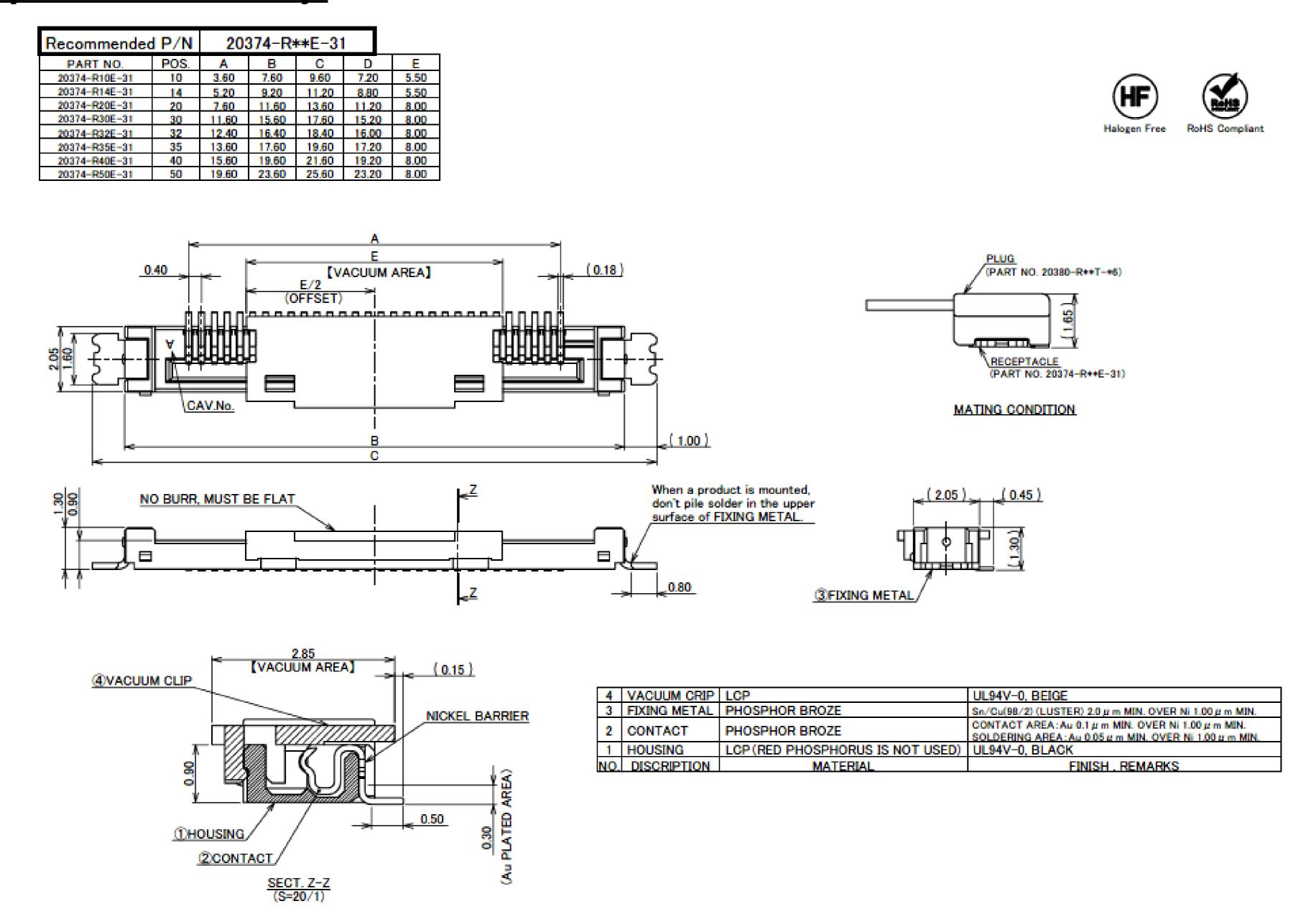


Plug Metal Cover



Rev.19

Receptacle Assembly





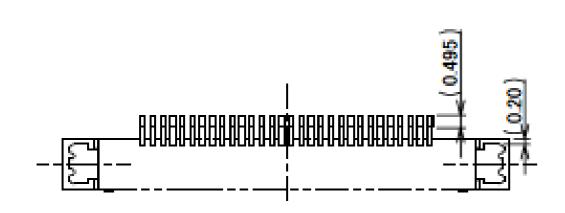


Receptacle Assembly

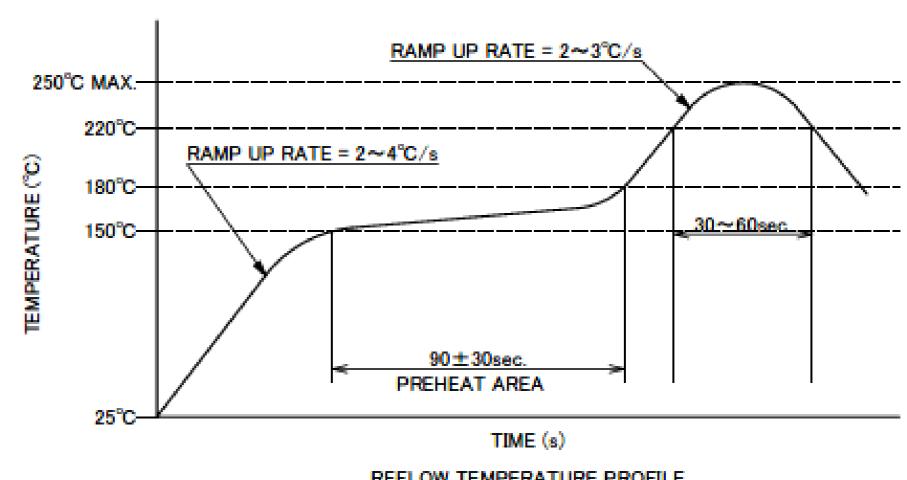
PART NO.	POS.	Α	D
20374-R10E-31	10	3.60	7.20
20374-R14E-31	14	5.20	8.80
20374-R20E-31	20	7.60	11.20
20374-R30E-31	30	11.60	15.20
20374-R32E-31	32	12.40	16.00
20374-R35E-31	35	13.60	17.20
20374-R40E-31	40	15.60	19.20
20374-R50E-31	50	19.60	23.20



RECOMMENDED FOOTPRINT PATTERN (MOUNT SIDE)
Recommended Thickness of Metal Mask: t=0.13mm
Recommended Opening Ratio of Metal Mask: 79.6%



CONNECTOR ON RECOMMENDED FOOTPRIT PATTERN



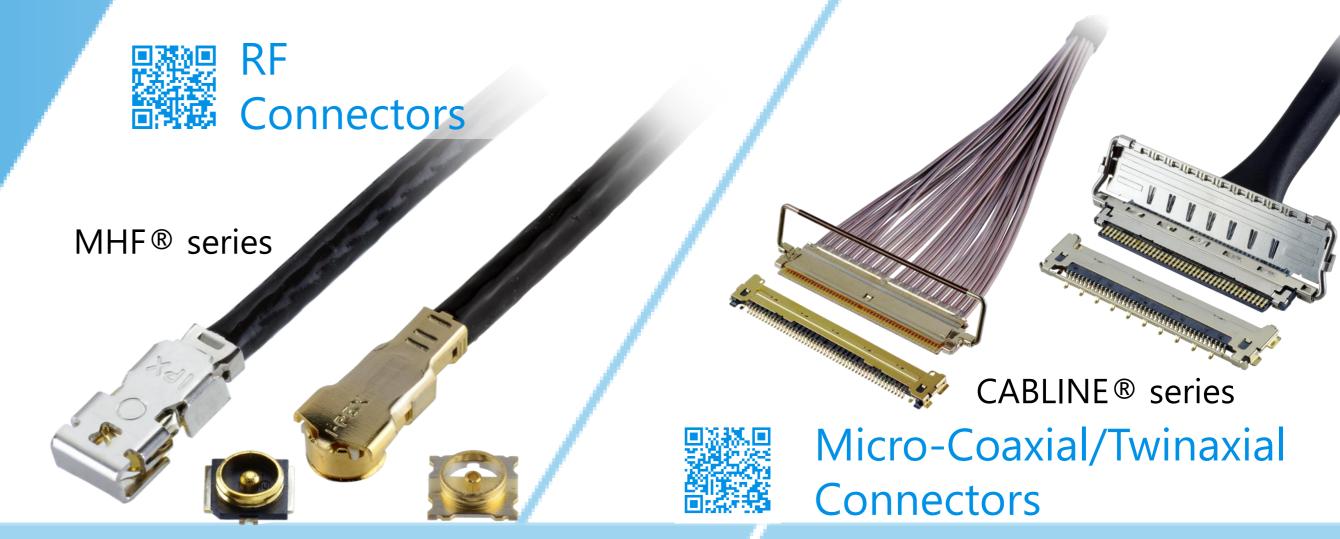
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.31

ITEMS	SPECIFICATION		
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 42, 40, 36 DISCRETE WIRE: AWG# 36, 34		
RATING VOLTAGE	100V AC (PER CONTACT PIN) **THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.		
RATING AMPERAGE (FOR CONTACT)	0.24A AC/DC [AWG#42] AVAILABLE TO 50 PIN 0.25A AC/DC [AWG#40] AVAILABLE TO 50 PIN 0.30A AC/DC [AWG#40] AVAILABLE TO 32 PIN 0.35A AC/DC [AWG#36] AVAILABLE TO 50 PIN 0.40A AC/DC [AWG#36] AVAILABLE TO 37 PIN 0.35A AC/DC [AWG#34] AVAILABLE TO 50 PIN 1.00A AC/DC [AWG#34] AVAILABLE TO 2 PIN %TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.		
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)		
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)		
CONTACT RESISTANCE	INITIAL: 180mohm MAX. (AWG#34) / AFTER TEST: \(\square \square 40mohm MAX. \) 275mohm MAX. (AWG#36) 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) (INITIAL CONTAINS THE CONDUCTOR RESISTANCE OF A CABLE 100mm)		
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: 40mohm MAX.		
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min		
DURABILITY	30 CYCLES		
MATING FORCE (INITIAL / AFTER TEST)	10P: 29.00N MAX. 32P: 33.40N MAX. 14P: 29.80N MAX. 35P: 34.00N MAX. 20P: 31.00N MAX. 40P: 35.00N MAX. 30P: 33.00N MAX. 50P: 38.00N MAX.		
UNMATING FORCE (INITIAL / AFTER TEST)	10P: INITIAL: 4.00N MIN. / AFTER 30 CYCLES: 2.87N MIN. 14P: INITIAL: 4.40N MIN. / AFTER 30 CYCLES: 3.23N MIN. 20P: INITIAL: 5.00N MIN. / AFTER 30 CYCLES: 3.76N MIN. 30P: INITIAL: 6.00N MIN. / AFTER 30 CYCLES: 4.65N MIN. 32P: INITIAL: 6.20N MIN. / AFTER 30 CYCLES: 4.84N MIN. 35P: INITIAL: 6.50N MIN. / AFTER 30 CYCLES: 5.07N MIN. 40P: INITIAL: 7.00N MIN. / AFTER 30 CYCLES: 5.50N MIN. 50P: INITIAL: 8.00N MIN. / AFTER 30 CYCLES: 6.41N MIN.		
CABLE RETENTION FORCE	10P: 4.90N MIN. 32P: 15.68N MIN. 14P: 6.86N MIN. 35P: 17.15N MIN. 20P: 9.80N MIN. 40P: 19.60N MIN. 30P: 14.70N MIN. 50P: 24.50N MIN.		
PRODUCT SPECIFICATION	PRS-1239		
TEST REPORT	TR-04037		
INSTRUCTION MANUAL	HIM-04001		
ASSEMBLY MANUAL	ASM-04001		
APPEARANCE CRITERIA No.	QLS-A***		

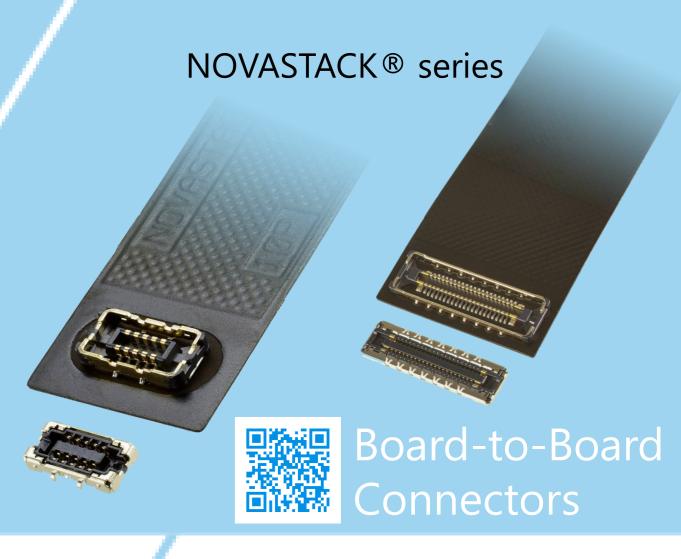


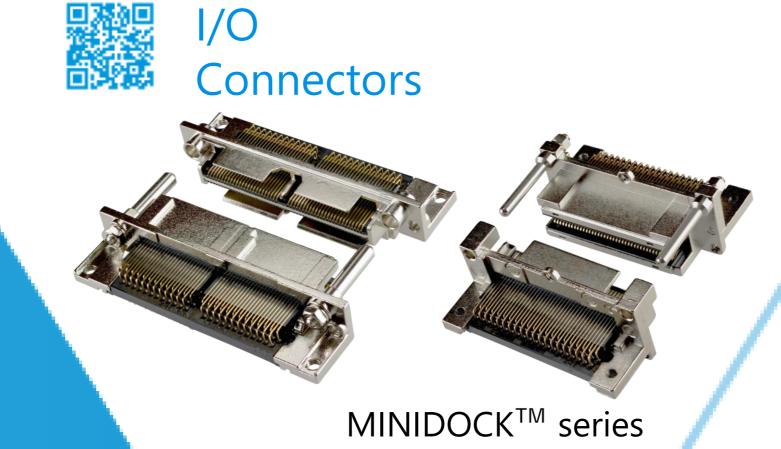
Custom Connectors Available









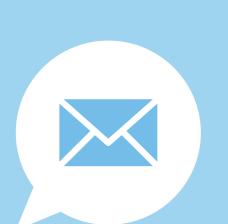












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