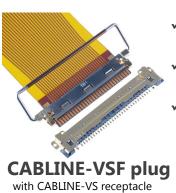
Mechanical lock, 0.5 mm pitch, Horizontal mating type FPC plug connector



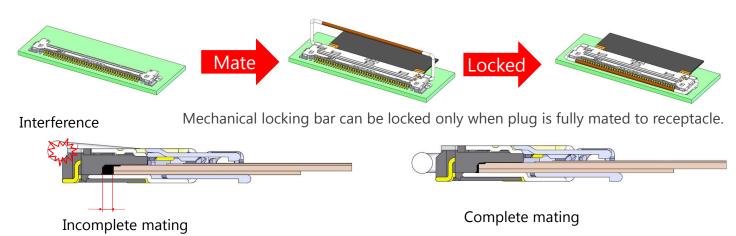
- ✓ Mechanical locking bar prevents incomplete mating and back-out/un-mating
- ✓ EMI shielding and multi-point ground design
- ✓ Multiple connector options with I-PEX VS series

Pin counts:	
Range	Up to 50
Available	30, 40

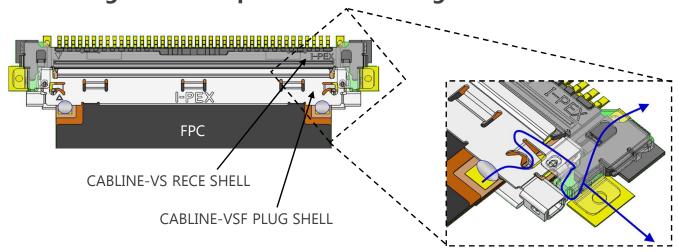
^{*}Please inquire for pin counts not listed or outside of the pin count range.

ig type in a plag connector			
Mating type		Horizontal	
Wire (FPC) pitch (mm)		0.5	
Board pitch (mm)		0.5	
Matad	Height	1.0 +/- 0.1	
Mated	Width Formula	7.55 + (0.5*?p)	
(mm)	Depth	5.97	
Wiping length (mm)		0.62	
FPC type		Shielded/Non-shielded FPC FPC thickness	
		0.28 + 0.02 / -0.03	
Contact point		Тор	
Performance		Depends on FPC Impedance Controlled Design	

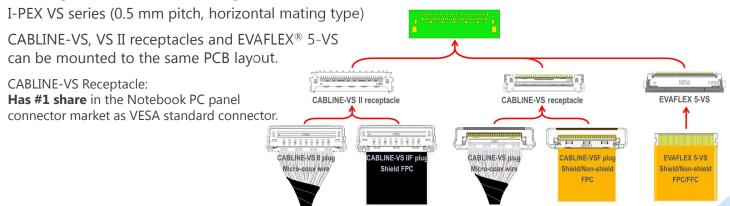
Mechanical Locking Bar Prevents Incomplete Mating and Back-out/Un-mating



EMI Shielding and Multi-point Ground Design

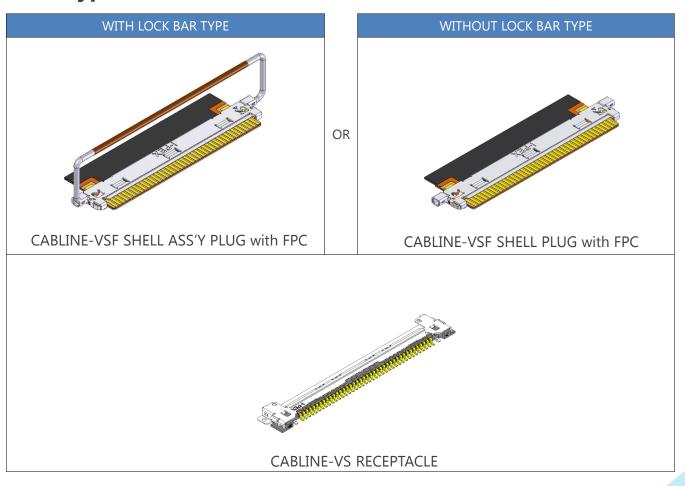


Multiple Connector Options with I-PEX VS Series



CABLINE ®-VSF Component Parts Detail

Product types:

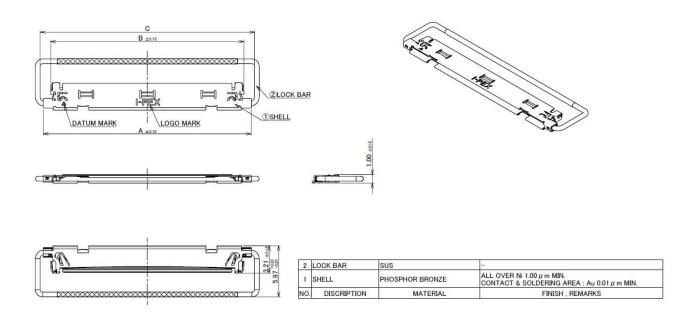


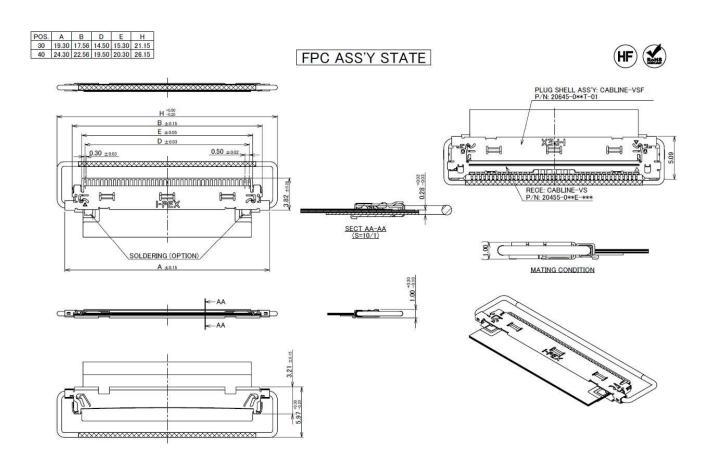
Shell Assembly:

Recommended P/N		2	20645	5-0**T-01
PART No.	Α	В	С	
20645-030T-01	19.30	17.56	20.05	
20645-040T-01	24.30	22.56	25.05]









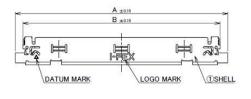
Shell:

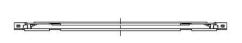
Recommended	P/N		3049-0**1
PART No.	Α	В	
3049-0301	19.30	17.56	
3049-0401	24.30	22.56	

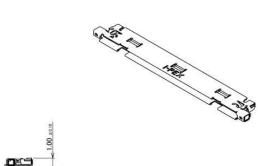






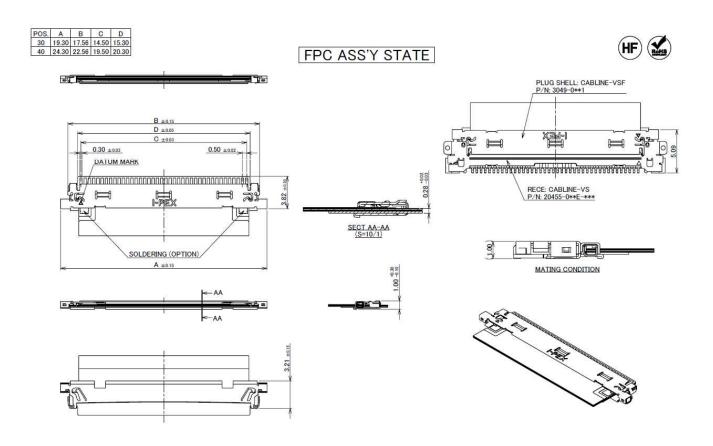


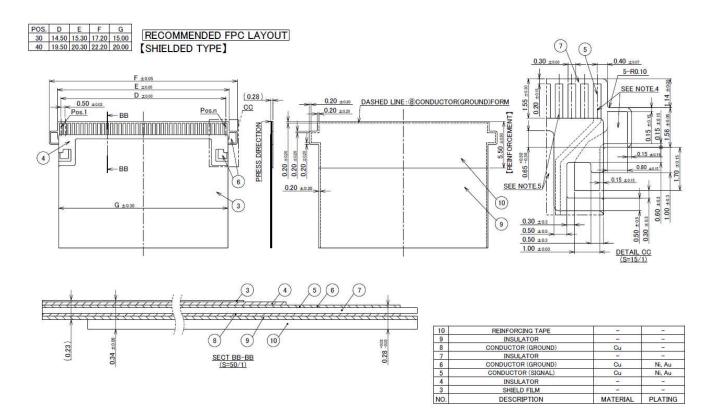






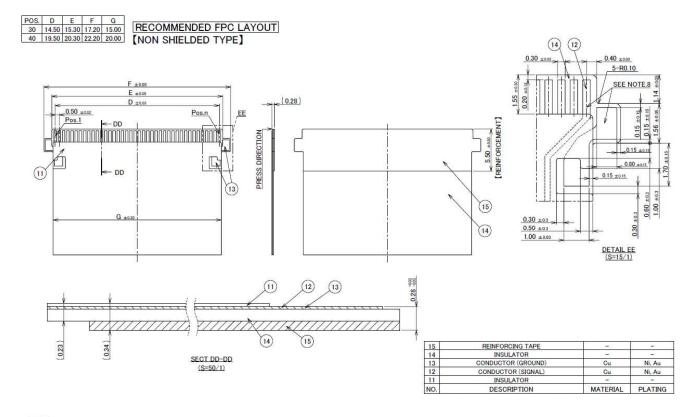
1	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.01 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS





- NOTES.

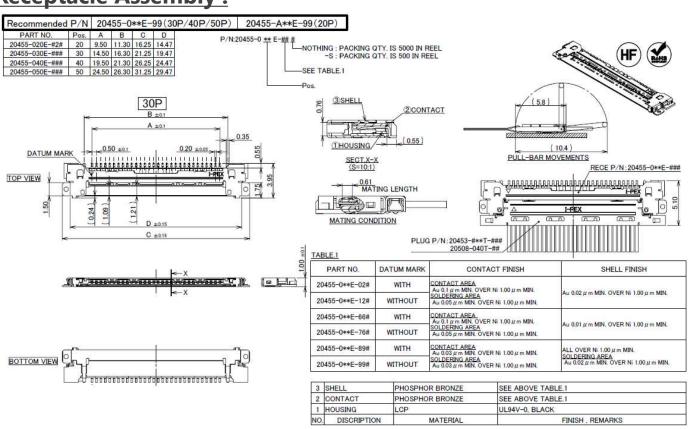
 1. ADHESIVE SHOULD USE THERMOSETTING.
 2. No.6: CONDUCTOR(GROUND) AND No.8: CONDUCTOR(GROUND) ARE CARRYING OUT THE ELECTRICAL CONNECTION.
 3. No.3: SHIELD FILM AND No.8: CONDUCTOR(GROUND) ARE CARRYING OUT THE ELECTRICAL CONNECTION.
 4. No.5: CONDUCTOR(SIGNAL) AND No.6:8: CONDUCTOR(GROUND) ARE NOT CONTACTING.
 5. No.5: CONDUCTOR(SIGNAL) AND No.3: SHIELD FILM ARE NOT CONTACTING.

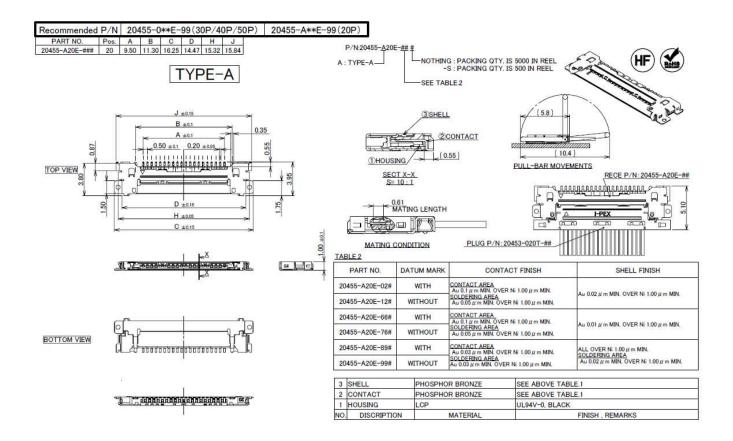


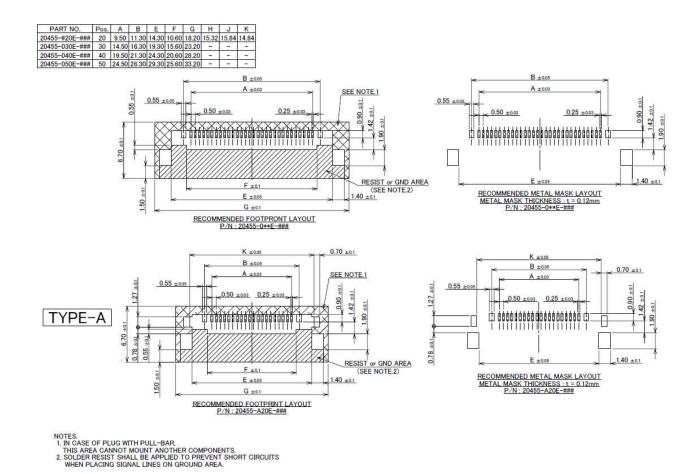
NOTES.
6. ADHESIVE SHOULD USE THERMOSETTING.
7. No.12: CONDUCTOR(SIGNAL) AND No.13: CONDUCTOR(GROUND) ARE NOT CONTACTING.

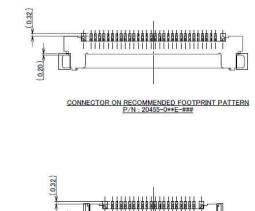
ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : △40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 60mohm 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)	30P : 24.0N MAX. / 40P : 32.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 1.1N MIN. / 40P: 1.4N MIN.
PRODUCT SPECIFICATION	PRS-1878
TEST REPORT	TR-14095, TR-17048
PACKING STANDARD	PST-14087
INSTRUCTION MANUAL	HIM-13010
ASSEMBLY MANUAL	ASM-13003
APPEARANCE CRITERIA No.	QLS-A***

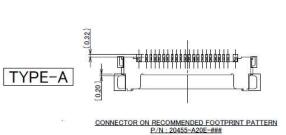
Receptacle Assembly:

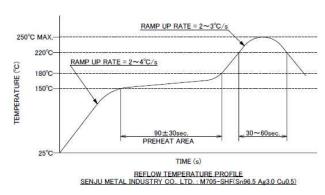














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