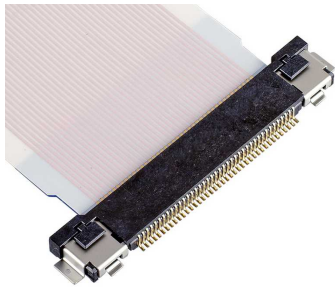


# EVAFLEX® 5-SE

Auto-locking, horizontal mate, 0.5 mm pitch FFC/FPC connector



- ✓ Operator friendly auto-locking design, ideal for hand or robotic assembly
- ✓ Vertical mate type using the same FFC option as EVAFLEX® 5-SE-VT
- ✓ Scalable EVAFLEX® family : Auto-lock connector with many other options available

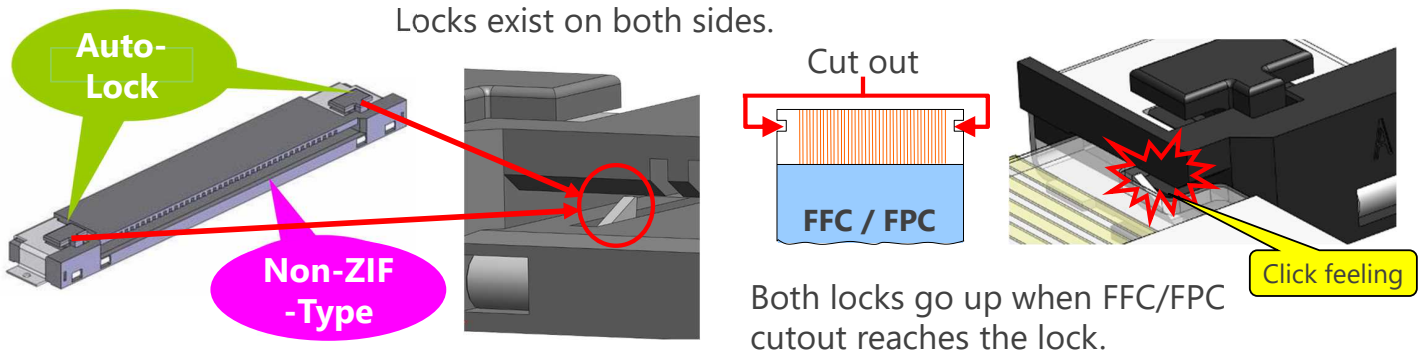
Pin counts:

Range	Up to 60
Available	10, 15, 22, 30, 40, 45, 50, 60

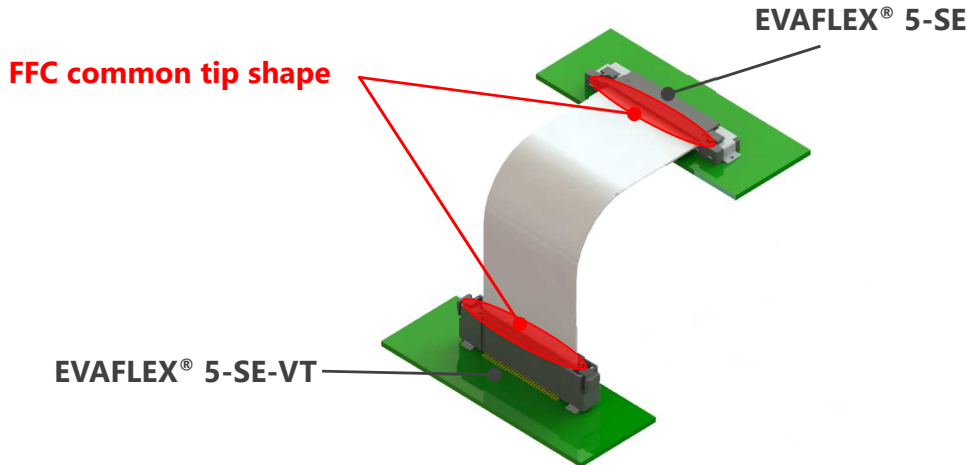
\*Please inquire for pin counts not listed or outside of the pin count range.

Part number	20526
Board pitch (mm)	0.5
Height (mm)	2.4 +/- 0.3
Width formula (mm)	13.1+(0.5*?P)
Depth(mm)	5.9
Wiping length(mm)	1.45
FFC/FPC insertion depth (mm)	3.8
FFC/FPC type	Non-shielded FFC/FPC
FFC/FPC thickness(mm)	0.3 +/- 0.05
Contact point	Top
Compatibility (Footprint pattern)	Original
Current rating	0.5A/pin (7.5A/conn)
Supportable standard(Reference only)	LVDS
Operating condition	233 to 398 (-40°C to +125°C) 85%RH max.

## Operator friendly auto-locking design, ideal for hand or robotic assembly



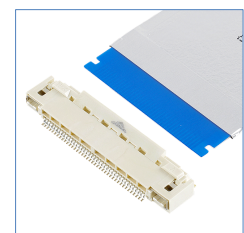
## Vertical mate type using the same FFC option as EVAFLEX® 5-SE-VT



## Scalable EVAFLEX® family : Auto-lock connector with many other options available

Higher speed and durable to high temp (125°C) : EVAFLEX® 5-SE-G HT

	EVAFLEX® 5-SE-G HT
Height (mm)	6.60 +/- 01
Operation Temperature	up to 125°C
Reference Performance	V-by-one HS 1.4 (4+ Gbps)



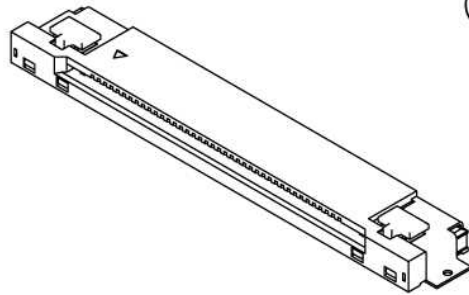
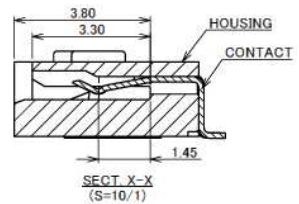
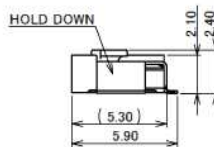
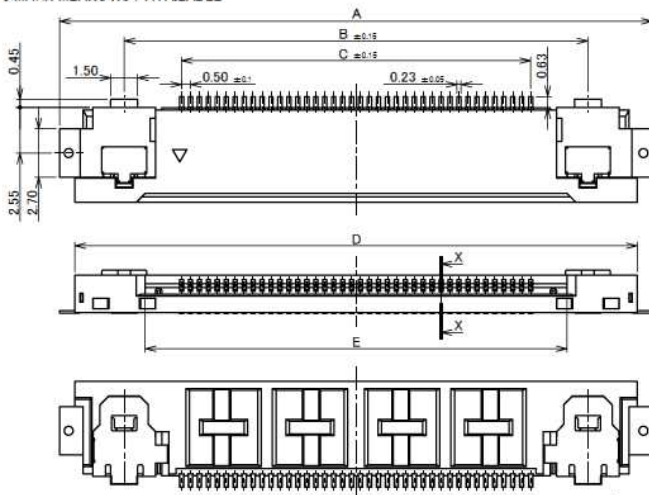
# EVAFLEX® 5-SE

## Component Parts Detail

### Connector Assembly :

Recommended P/N		20526-0**E-01				
PART NO.	Pos.	A	B	C	D	E
20526-010E-01	10	18.10	10.90	4.50	16.40	8.56
20526-015E-01	15	20.60	13.40	7.00	18.90	11.06
20526-022E-01	22	24.10	16.90	10.50	22.40	14.56
20526-030E-01	30	28.10	20.90	14.50	26.40	18.56
20526-040E-01	40	33.10	25.90	19.50	31.40	23.56
20526-045E-01	45	35.60	28.40	22.00	33.90	26.06
20526-050E-01	50	38.10	30.90	24.50	36.40	28.56
◆20526-055E-01	55	40.60	33.40	27.00	38.90	31.06
20526-060E-01	60	43.10	35.90	29.50	41.40	33.56

◆MARK MEANS NOT AVAILABLE

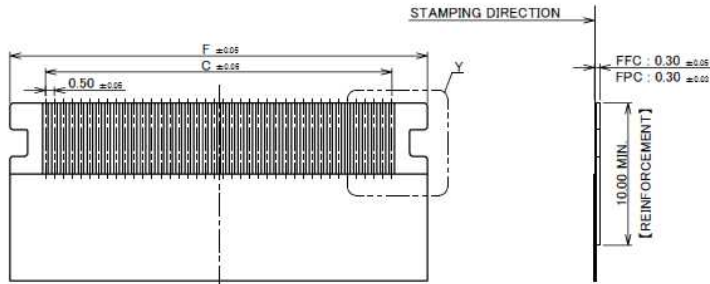


3	HOLD DOWN	PHOSPHOR BRONZE	SOLDERING AREA : Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0 BLACK
NO.	DISCRPTION	MATERIAL	FINISH , REMARKS

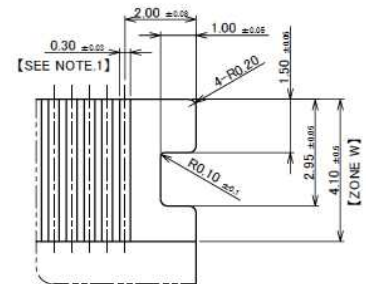
# Connector Assembly :

Recommended P/N		20526-0**E-01	
PART NO.	Pos.	C	F
20526-010E-01	10	4.50	8.50
20526-015E-01	15	7.00	11.00
20526-022E-01	22	10.50	14.50
20526-030E-01	30	14.50	18.50
20526-040E-01	40	19.50	23.50
20526-045E-01	45	22.00	26.00
20526-050E-01	50	24.50	28.50
◆20526-055E-01	55	27.00	31.00
20526-060E-01	60	29.50	33.50

◆MARK MEANS NOT AVAILABLE



RECOMMENDED FFC/FPC LAYOUT



DETAIL Y  
(S=10/1)

NOTES.

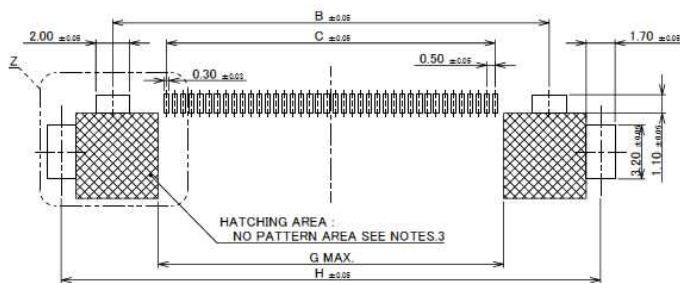
1. CONTROL DIMENSION OF [ZONE W] WITH IN 0.30±0.03

Rev.10

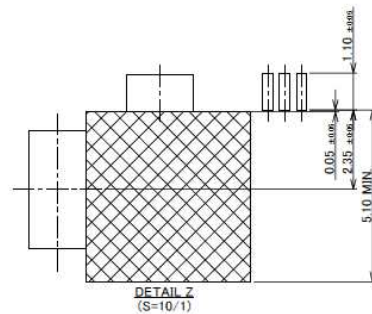
# Connector Assembly :

Recommended P/N		20526-0**E-01			
PART NO.	Pos.	B	C	G	H
20526-010E-01	10	10.90	4.50	5.50	17.00
20526-015E-01	15	13.40	7.00	8.00	19.50
20526-022E-01	22	16.90	10.50	11.50	23.00
20526-030E-01	30	20.90	14.50	15.50	27.00
20526-040E-01	40	25.90	19.50	20.50	32.00
20526-045E-01	45	28.40	22.00	23.00	34.50
20526-050E-01	50	30.90	24.50	25.50	37.00
◆20526-055E-01	55	33.40	27.00	28.00	39.50
20526-060E-01	60	35.90	29.50	30.50	42.00

◆MARK MEANS NOT AVAILABLE



RECOMMENDED PCB & METALMASK LAYOUT  
METAL MASK THICKNESS : t=0.12

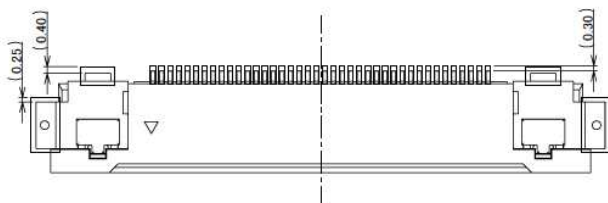


NOTES.

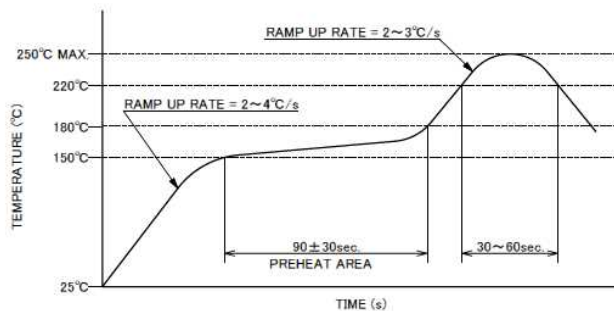
2. HATCHING AREA CANNOT MOUNT ANOTHER COMPONENTS.  
3. SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS FOOTPRINT PATTERN PROHIBITION AREA.

Rev.10

# Connector Assembly :



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

Rev.10

# Connector Assembly :

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.50A AC/DC (PER CONTACT) ※(AVAILABLE UP TO 15PIN) / 0.35A AC/DC(PER CONTACT) ※(AVAILABLE FOR ALL PIN)
OPERATING TEMPERATURE	Using FFC : 233~358K(-40°C~+85°C) Using FPC : 233~398K(-40°C~+125°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 70mohm MAX. / AFTER TEST : <math>\triangleleft</math>40mohm MAX.
INSULATION RESISTANCE	INITIAL : 500Mohm MIN. / AFTER TEST : 500mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	10P : 6.0N MAX. 15P : 9.0N MAX. 22P : 13.2N MAX. 30P : 18.0N MAX. 40P : 24.0N MAX. 45P : 27.0N MAX. 50P : 30.0N MAX. 55P : 33.0N MAX. 60P : 36.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	10P : 0.90N MIN. 15P : 1.35N MIN. 22P : 1.98N MIN. 30P : 2.70N MIN. 40P : 3.60N MIN. 45P : 4.05N MIN. 50P : 4.50N MIN. 55P : 4.95N MIN. 60P : 5.40N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-1562
TEST REPORT	TR-10048
PACKING STANDARD	300-861
INSTRUCTION MANUAL	HIM-10008
APPEARANCE CRITERIA No.	QLS-A***

Rev.10



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