

- ✓ High-data-rate transfer, ideal for Thunderbolt™ 3 (20 Gbps/lane) applications
- ✓ Mechanical locking bar prevents incomplete mating and back-out/un-mating
- ✓ Multiple connector options with I-PEX VS series

Pin counts:

Range	10 - 50
Available	20, 30, 40, 50

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

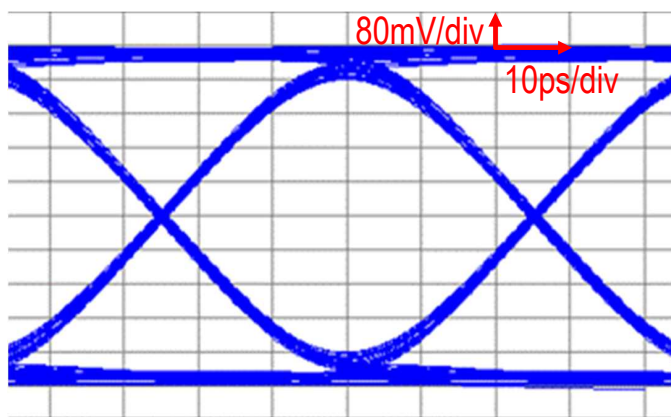
Mating type	Horizontal	
Wire (FPC) pitch (mm)	0.5	
Board pitch (mm)	0.5	
Mated size (mm)	Height	1.0 +/- 0.1
	Width Formula	7.55 + (0.5*p)
	Depth	5.80
Wiping length (mm)	0.61	
Applicable wire (AWG#)	Micro-coax for signals	45Ω : #36 or smaller
		50Ω : #38 or smaller
	Twincoax	#40
	Discrete	#32 or smaller
Contact point	Top	
Performance (Reference only)	Thunderbolt 3 (20 Gbps/lane)	
	PCIe Gen 4 (16 GT/s)	
	USB 3.1 Gen 2 (10 Gbps)	
	eDP HBR 3 (8.1 Gbps)	

High-Data-Rate Transfer, Ideal for Thunderbolt 3 (20 Gbps/lane) Applications

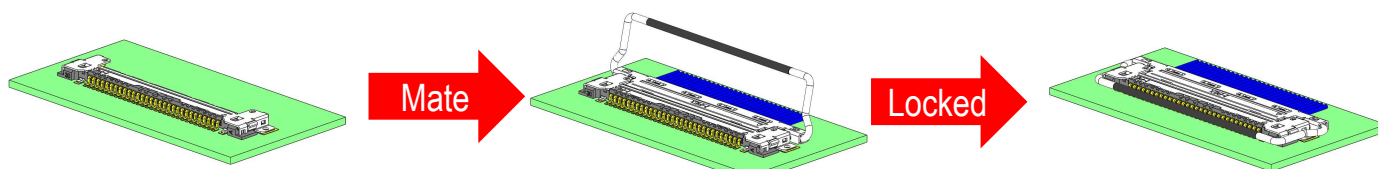
Thunderbolt 3 (20 Gbps/lane)

Eye pattern (Differential)
Bit rate : 20 Gbps
Rise time : 30ps (10-90%)
Input voltage : 800mVp-p

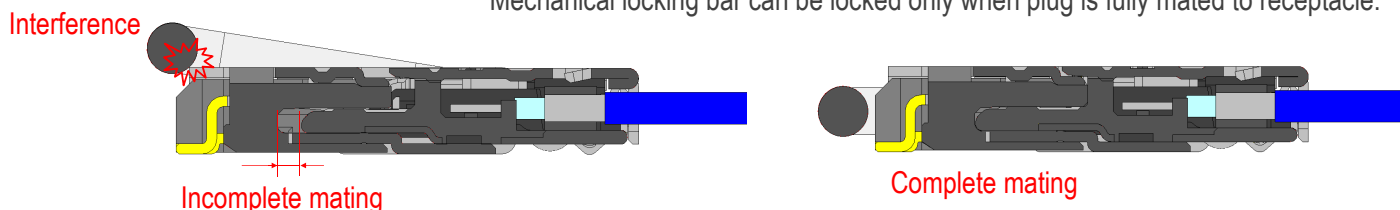
*Please contact I-PEX Connectors for more test details.



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



Mechanical locking bar can be locked only when plug is fully mated to receptacle.



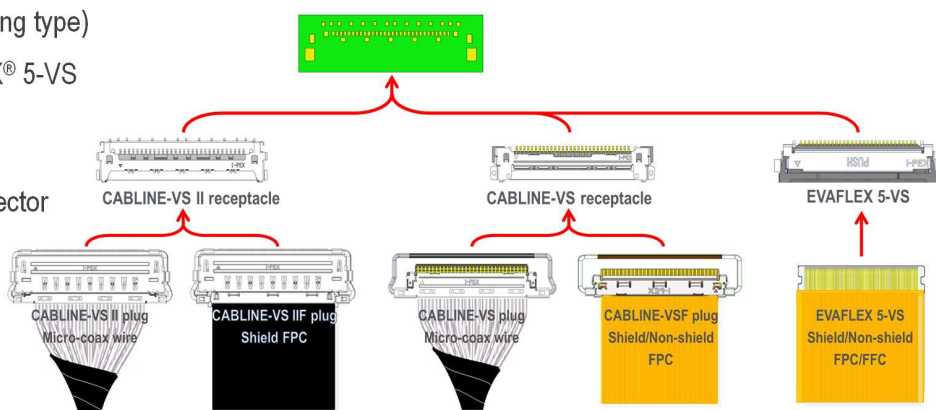
Multiple Connector Options with I-PEX VS Series

I-PEX VS series (0.5 mm pitch, horizontal mating type)

CABLINE-VS, VS II receptacles and EVAFLEX® 5-VS can be mounted to the same PCB layout.

CABLINE-VS Receptacle:

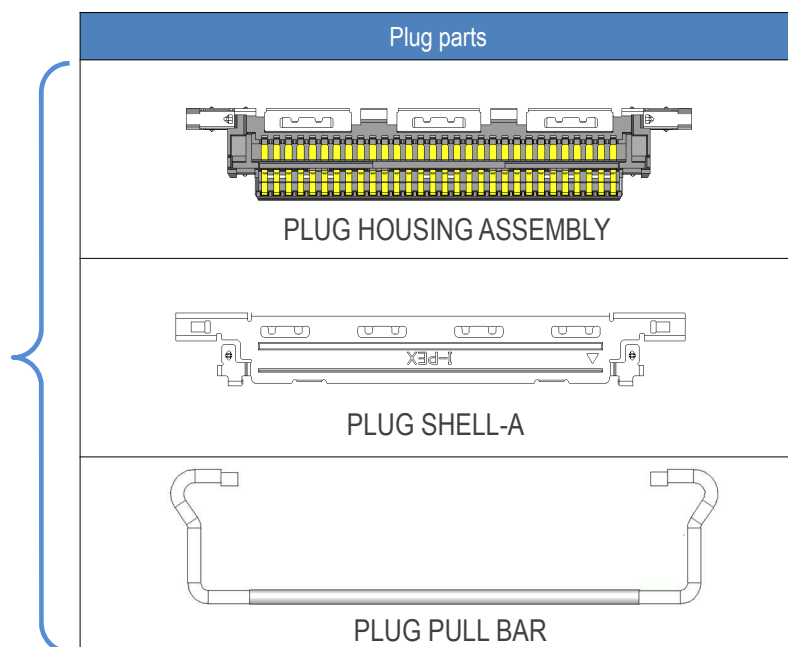
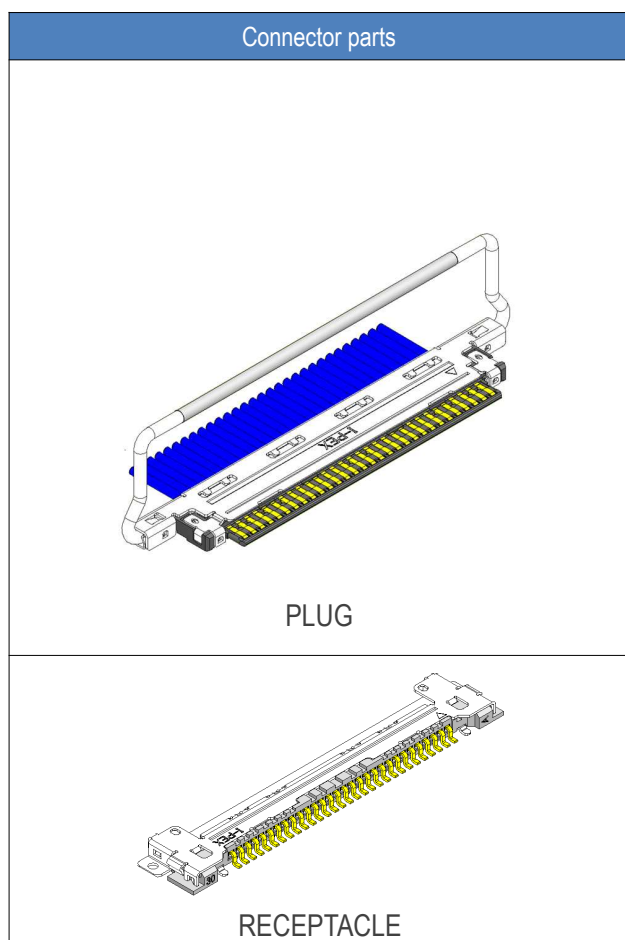
Has #1 share in the Notebook PC panel connector market as VESA standard connector.



CABLINE®-VS

Component Parts Detail

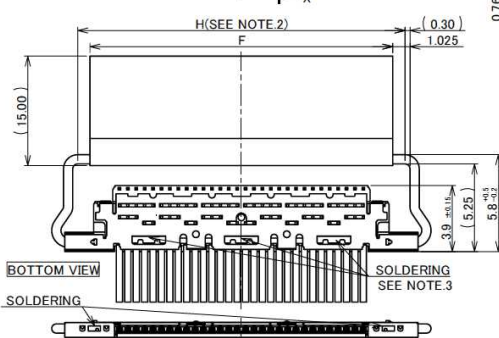
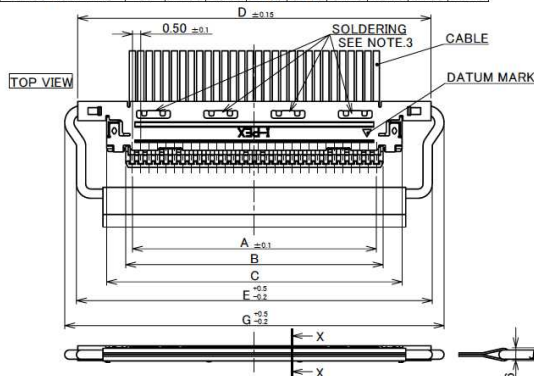
Component Parts:



Plug for Cable Assembly :

Recommended P/N	20453-3**T-13(20P/30P/40P)	20453-350T-13S(50P)
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PART NO.	Pos.	A	B	C	D	E	F	G	H
20453-#20T-#1	20	9.50	10.30	12.56	16.00	16.15	13.00	17.55	14.45
20453-#30T-#1	30	14.50	15.30	17.56	21.00	21.15	18.00	22.55	19.45
20453-#40T-#1	40	19.50	20.30	22.56	26.00	26.15	23.00	27.55	24.45
20453-#50T-#1S	50	24.50	25.30	27.56	31.00	31.15	28.00	32.55	29.45



NOTES

1. RECOMMENDED PULL-TAPE
PULL-TAPE : TERAOKA'S INSULATION TAPE No.650S(#50) t=0.08
2. PULL-TAPE CAN BE PUT WITHIN THE RANGE OF "H" (STRAIGHT AREA)
3. SOLDERING IS ONLY A CASE WITH GND-BAR

P/N:20453-#**T-***

WITH PULL-BAR

NOTHING : HOUSING ASSY P/N 20454-0**T
S : HOUSING ASSY P/N 20454-0**T-01

- 1 : WITH PULL-BAR P/N 2576-0**T
- 2 : WITHOUT PULL-BAR
- 3 : WITH INSULATION COAT PULL-BAR P/N 2576-1**T

SEE TABLE.1

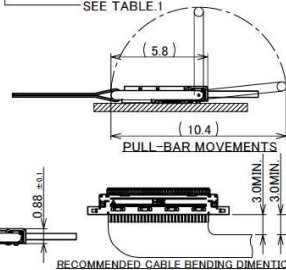


TABLE.1

PART NO.	CONTACT FINISH	SHELL-A FINISH	SHELL-B FINISH
20453-0**T-***	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Au 0.015 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.015 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20453-2**T-***	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Ni 1.00 μm MIN. (THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY.)	TOP SIDE : Ni 1.00 μm MIN. (THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY.) BOTTOM SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20453-3**T-***	CONTACT AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.

NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS
5	PULL-BAR	SUS	
4	SHELL-B	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
3	SHELL-A	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

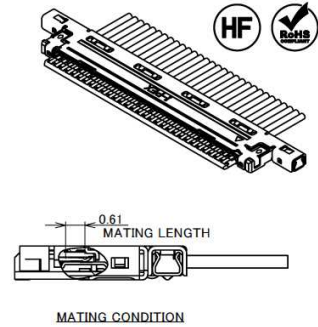
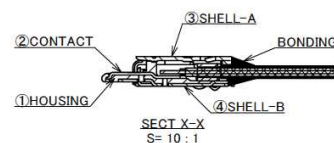
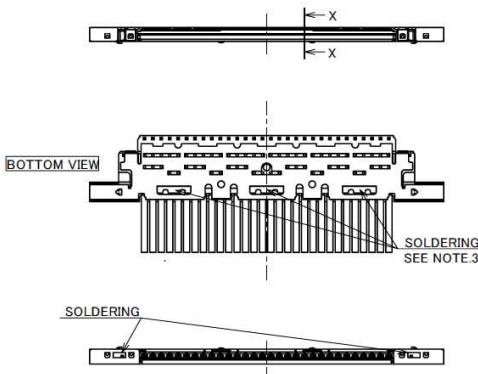
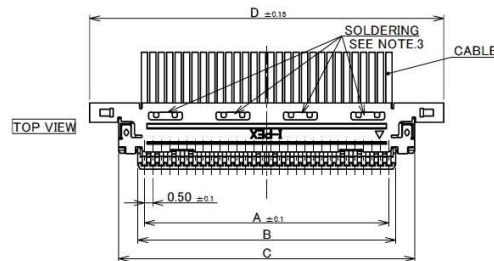
PART NO.	CABLE ASSY PART NO.	HOUSING ASSY PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-***	20453-0**T-***	20454-0**T-***	2574-***	2576-0**T-***
20453-2**T-***	20453-2**T-***	20454-2**T-***	2574-***2	2576-0**T-***
20453-3**T-***	20453-3**T-***	20454-3**T-***	2574-***3	2576-0**T-***

QKE-DFDE06-02 REV.11

Recommended P/N	20453-3**T-13(20P/30P/40P)	20453-350T-13S(50P)
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PART NO.	A	B	C	D
20453-#20T-#2	9.50	10.30	12.56	16.00
20453-#30T-#2	14.50	15.30	17.56	21.00
20453-#40T-#2	19.50	20.30	22.56	26.00
20453-#50T-#2S	24.50	25.30	27.56	31.00

WITHOUT PULL-BAR



PLUG P/N: 20453-#**T-#2#

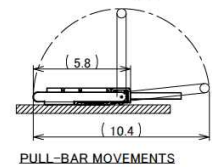
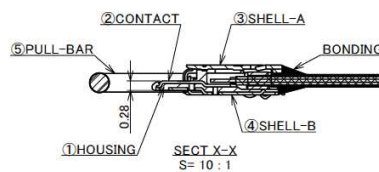
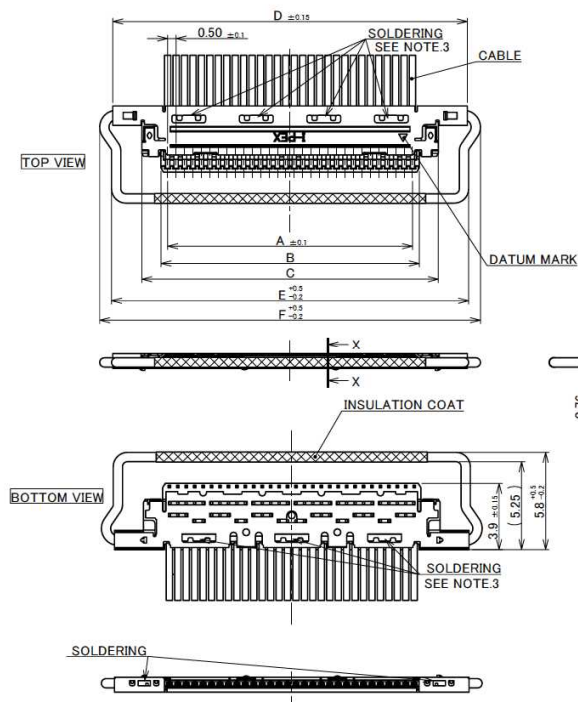
RECE P/N: 20455-#**E-#

PART NO.	CABLE ASSY PART NO.	HOUSING ASSY PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-#2#	20453-0**T-#2#	20454-0**T-#2#	2574-***	-
20453-2**T-#2#	20453-2**T-#2#	20454-2**T-#2#	2574-***2	-
20453-3**T-#2#	20453-3**T-#2#	20454-3**T-#2#	2574-***3	-

QKE-DFDE06-02 REV.11

Recommended P/N		20453-3**T-13(20P/30P/40P)						20453-350T-13S(50P)	
PART NO.	A	B	C	D	E	F			
20453-#20T-#3	9.50	10.30	12.56	16.00	16.15	17.55			
20453-#30T-#3	14.50	15.30	17.56	21.00	21.15	22.55			
20453-#40T-#3	19.50	20.30	22.56	26.00	26.15	27.55			
20453-#50T-#3S	24.50	25.30	27.56	31.00	31.15	32.55			

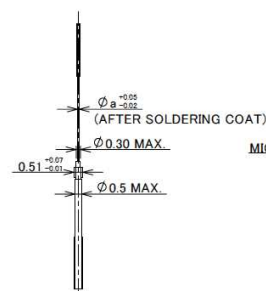
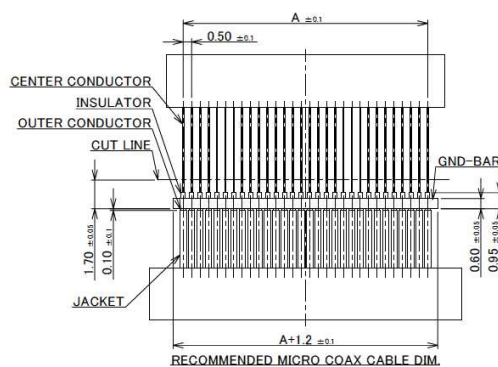
WITH INSULATION COAT PULL-BAR



PART NO.	CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-#1*	20454-0**T-#1	20454-0**T-#1	2574-***	2576-1**
20453-2**T-#1*	20454-2**T-#1	20454-2**T-#1	2574-***2	2576-1**
20453-3**T-#1*	20454-3**T-#1	20454-3**T-#1	2574-***3	2576-1**

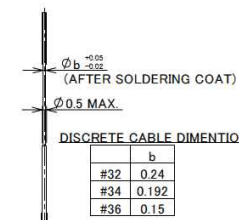
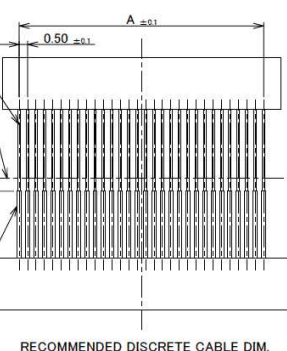
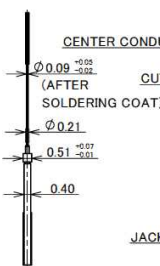
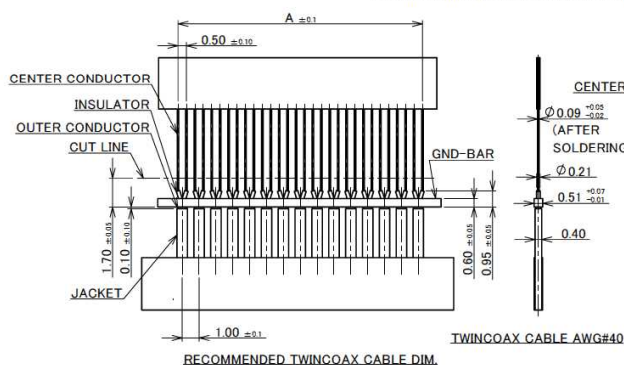
OKE-DFDE06-02 REV.11

PART NO.	A
20453-#20T-#3	9.50
20453-#30T-#3	14.50
20453-#40T-#3	19.50
20453-#50T-#3S	24.50



MICRO COAX CABLE DIMENSION

	a
#36	0.15
#38	0.12
#40	0.09
#42	0.075
#44	0.063

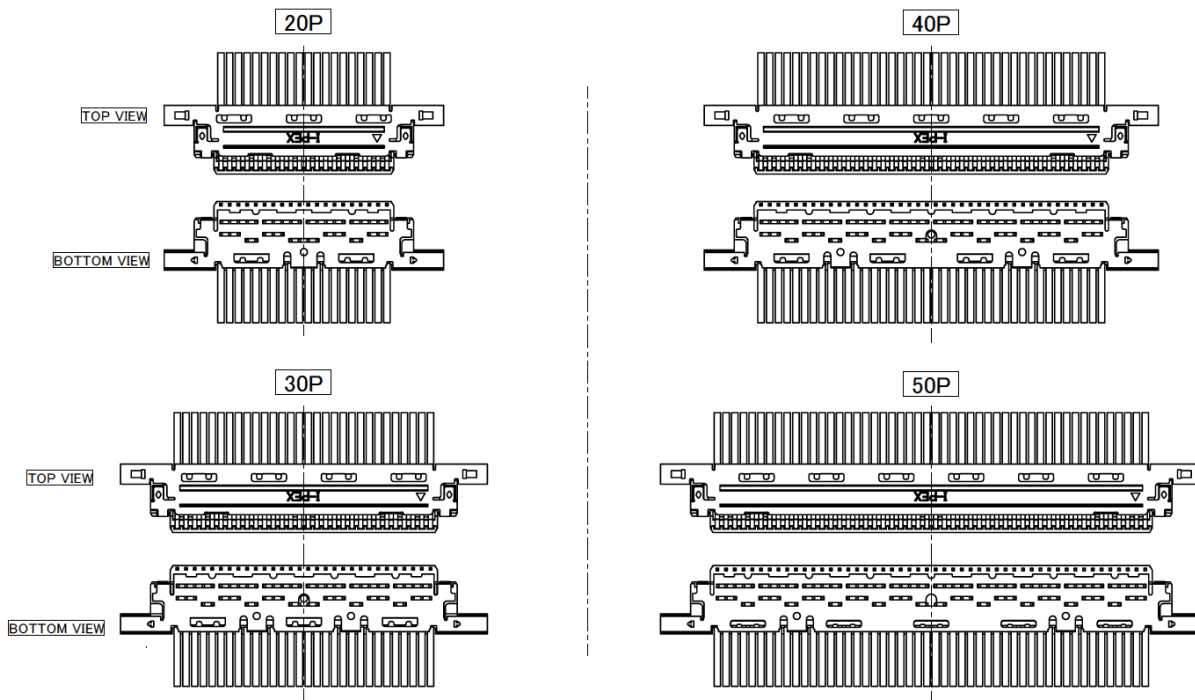


DISCRETE CABLE AWG#**

	b
#32	0.24
#34	0.192
#36	0.15

OKE-DFDE06-02 REV.11

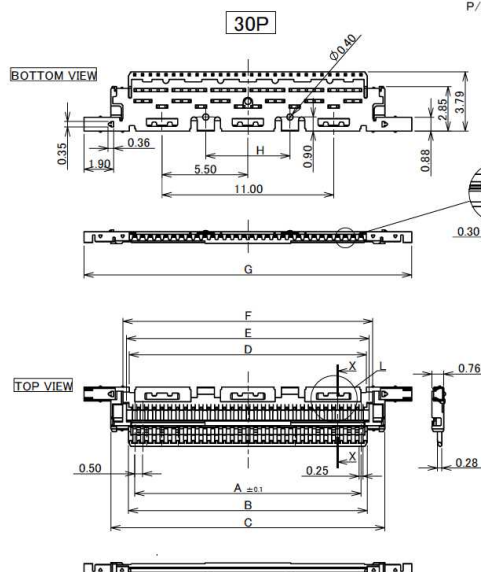
THE EXTERNAL APPEARANCE



QKE-DFFDE06-02 REV.11

Plug Housing Assembly :

Recommended P/N		20454-3**T							
PART NO.	Pos.	A	B	C	D	E	F	G	H
20454-#20T	20	9.50	10.30	12.56	10.20	10.55	11.00	16.00	-
20454-#30T	30	14.50	15.30	17.56	15.20	15.55	16.00	21.00	5.40
20454-#40T	40	19.50	20.30	22.56	20.20	20.55	21.00	26.00	10.40



20454-***T : STANDARD

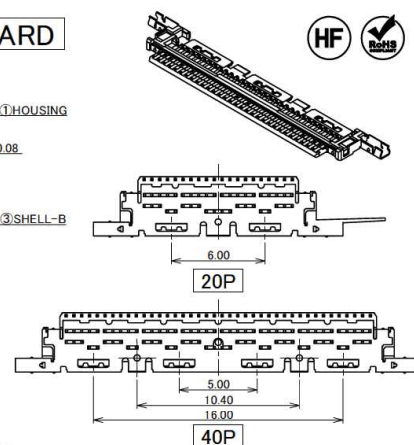
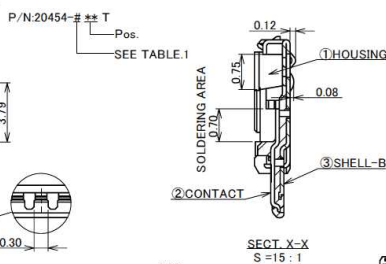


TABLE.1

PART NO.	CONTACT FINISH	SHELL-B FINISH
20454-0**T	CONTACT AREA: Au: 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au: 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE: Au: 0.015 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE: Au: 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20454-2**T	CONTACT AREA: Au: 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au: 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE: Ni 1.50 μm MIN. (THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY) BOTTOM SIDE: Au: 0.03 μm MIN. OVER Ni 1.00 μm MIN.
20454-3**T	CONTACT AREA: Au: 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au: 0.03 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au: 0.003 μm MIN. OVER Ni 1.00 μm MIN.

NO.	DISCRIPTION	MATERIAL	FINISH	REMARKS
3	SHELL B	PHOSPHOR BRONZE	SEE ABOVE TABLE.1	
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1	
1	HOUSING	LCP	UL94V-0, BLACK	

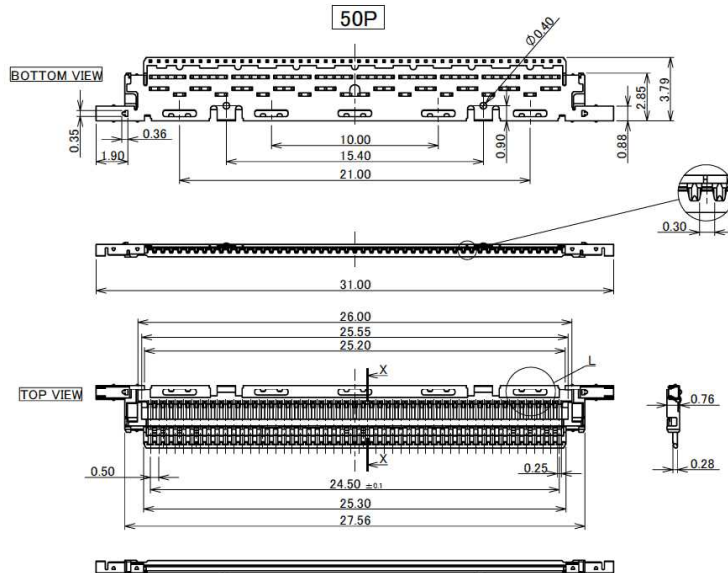
NOTES.

1. THIS PART IS ASSEMBLED WITH SHELL-A (P/N:2574-***T) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N:20453-***T-***.
THIS PART IS ASSEMBLED WITH SHELL-A type-H (P/N:2699-#40) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N:20508-040T-#*.
THIS PART IS ASSEMBLED WITH SHELL-A (P/N:2574-***T) AND ALIGNMENT COVER (P/N:2658-0**T) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N:20492-1**T.

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Recommended P/N		20454-350T-01
PART NO.	Pos.	
20454-#50T-01	50	

20454-#50T-01 : TYPE-i



P/N:20454-#50 T-01
Pos.
SEE TABLE 2

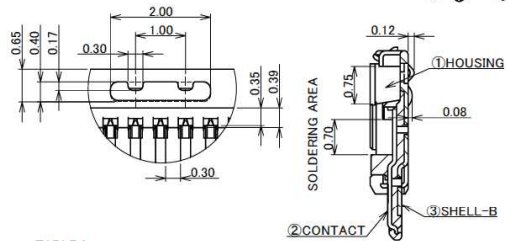


TABLE 2

PART NO.	CONTACT FINISH	SHELL-B FINISH
20454-0**T-01	CONTACT AREA: Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE: Au 0.015 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20454-2**T-01	CONTACT AREA: Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE: Ni 1.00 μm MIN. (THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY) BOTTOM SIDE: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20454-3**T-01	CONTACT AREA: Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA: Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.

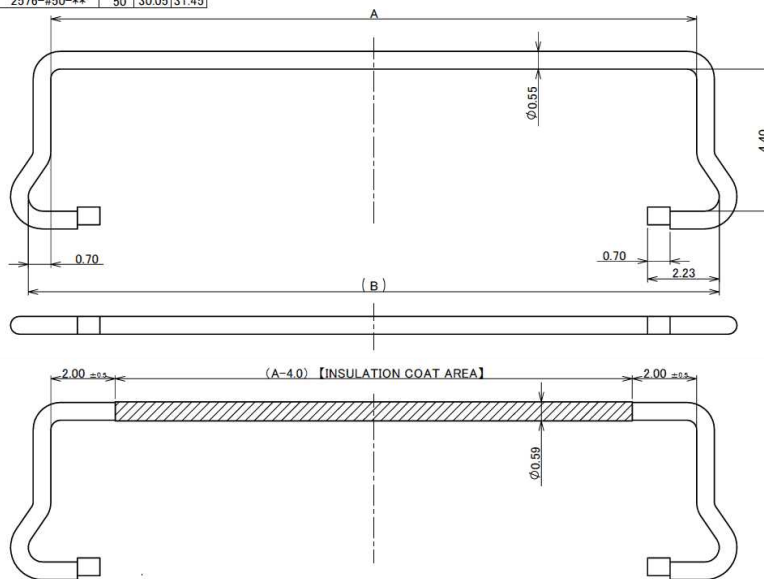
3	SHELL B	PHOSPHOR BRONZE	SEE ABOVE TABLE 2
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE 2
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

QKE-DFE06-02 REV.11

Pull Bar :

Recommended P/N		2576-1**-00	
PART NO.	POS	A	B
2576-#20-**-	20	15.05	16.45
2576-#30-**-	30	20.05	21.45
2576-#40-**-	40	25.05	26.45
2576-#50-**-	50	30.05	31.45

2576-0**-**-00



2576-1**-**-00

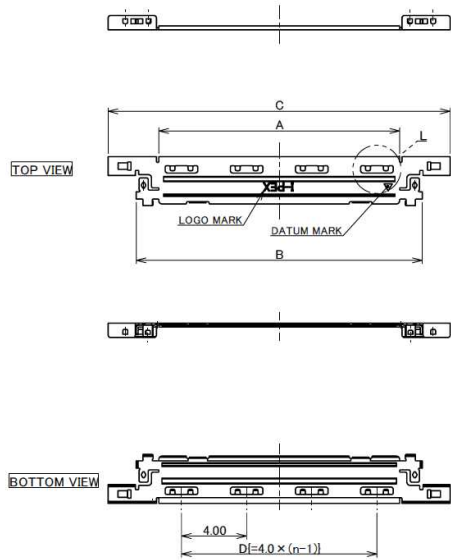
1	PULL BAR	SUS	-
NO	DISCRIPTION	MATERIAL	FINISH . REMARKS

P/N: 2576-#**-**-00
WITHOUT : PACKING QTY. IS 15000
IN SHIPPING CARTON
00 : PACKING QTY. IS 5000
IN SHIPPING CARTON
POS.
0 : WITHOUT INSULATION COAT
1 : WITH INSULATION COAT

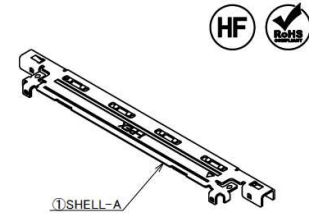
QKE-DFE06-02 REV.11

Shell-A :

Recommended P/N		2574-1**3			
PART NO.	Pos.	A	B	C	D
2574-#20#	20	9.78	12.56	16.00	8.00 [= 4.0 × (3-1)]
2574-#30#	30	14.78	17.56	21.00	12.00 [= 4.0 × (4-1)]
2574-#40#	40	19.78	22.56	26.00	16.00 [= 4.0 × (5-1)]
2574-#50#	50	24.78	27.56	31.00	20.00 [= 4.0 × (6-1)]



P/N:2574-***#
SEE TABLE.1
Pos.
0 : WITH DATUM MARK
1 : WITHOUT DATUM MARK



DETAIL 1
S= 15 : 1

TABLE.1

PART NO.	SHELL-A FINISH
2574-***	TOP SIDE: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE: Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
2574-***2	TOP SIDE: Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE: Ni 1.00 μm MIN. (THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY)
2574-***3	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.

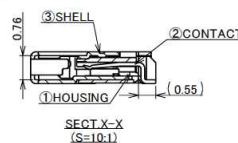
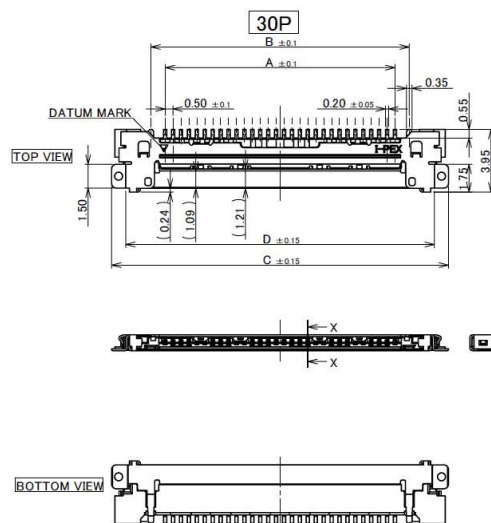
1 SHELL A	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
NO. DIScription	MATERIAL	FINISH , REMARKS

QKE-DFDE06-02 REV.11

Receptacle Assembly :

Recommended P/N		20455-0**E-99 (30P/40P/50P)				20455-A**E-99 (20P)	
PART NO.	Pos.	A	B	C	D		
20455-030E-###	30	14.50	16.30	21.25	19.47		
20455-040E-###	40	19.50	21.30	26.25	24.47		
20455-050E-###	50	24.50	26.30	31.25	29.47		

P/N:20455-0 ** E-###
NOTHING : PACKING QTY. IS 5000 IN REEL
-S : PACKING QTY. IS 500 IN REEL
SEE TABLE.1
Pos.



SECT X-X
(S=10:1)

MATING LENGTH

MATING CONDITION

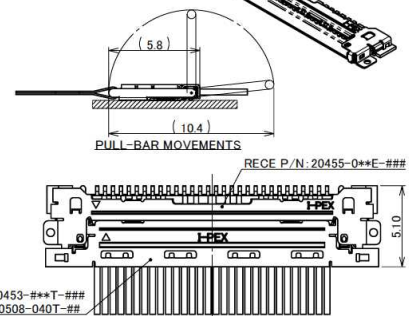


TABLE.1

PART NO.	DATUM MARK	CONTACT FINISH	SHELL FINISH
20455-0**E-02#	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-12#	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-66#	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-76#	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-89#	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-99#	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.

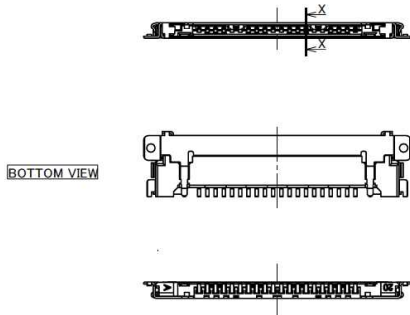
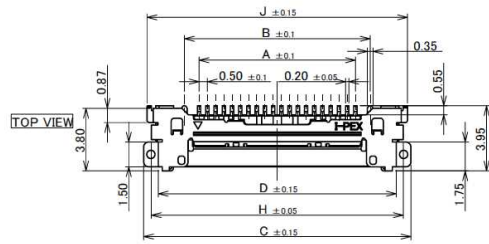
3 SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2 CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1 HOUSING	LCP	UL94V-0, BLACK
NO. DIScription	MATERIAL	FINISH , REMARKS

QKE-DFDE06-02 REV.11

Recommended P/N	20455-0**E-99 (30P/40P/50P)	20455-A**E-99 (20P)
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PART NO.	Pos.	A	B	C	D	H	J
20455-A20E-###	20	9.50	11.30	16.25	14.47	15.32	15.84

TYPE-A

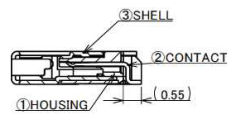


P/N: 20455-A20E-###

A: TYPE-A

NOTHING: PACKING QTY. IS 5000 IN REEL
-S: PACKING QTY. IS 500 IN REEL

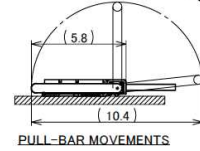
SEE TABLE 2



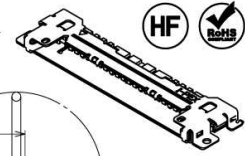
SECT X-X
S=10-1



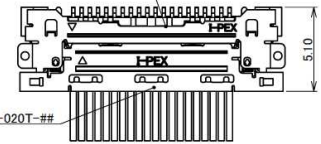
MATING CONDITION



PULL-BAR MOVEMENTS



RECE P/N: 20455-A20E-##



PLUG P/N: 20453-020T-##

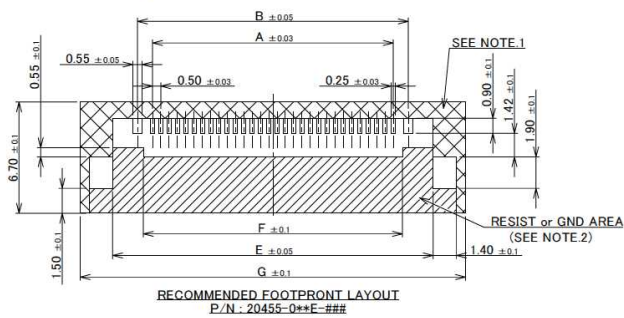
TABLE 2

PART NO.	DATUM MARK	CONTACT FINISH	SHELL FINISH
20455-A20E-02#	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-12#	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-66#	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-76#	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-89#	WITH	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-99#	WITHOUT	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.

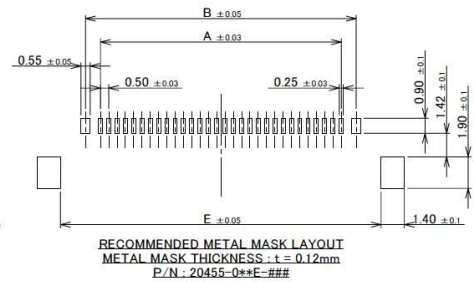
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE 1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE 1
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

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PART NO.	Pos.	A	B	E	F	G	H	J	K
20455-#20E-###	20	9.50	11.30	14.30	10.60	18.20	15.32	15.84	14.84
20455-#30E-###	30	14.50	16.30	19.30	15.60	23.20	-	-	-
20455-#40E-###	40	19.50	21.30	24.30	20.60	28.20	-	-	-
20455-#50E-###	50	24.50	26.30	29.30	25.60	33.20	-	-	-

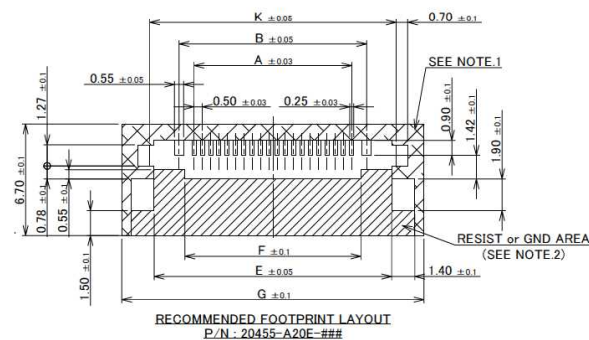


RECOMMENDED FOOTPRINT LAYOUT
P/N: 20455-0**E-###

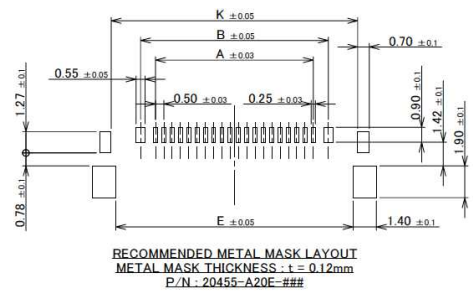


RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS: t = 0.12mm
P/N: 20455-0**E-###

TYPE-A



RECOMMENDED FOOTPRINT LAYOUT
P/N: 20455-A20E-###

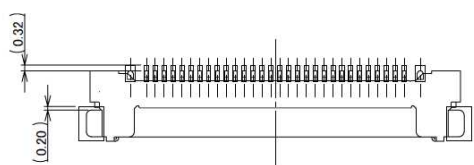


RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS: t = 0.12mm
P/N: 20455-A20E-###

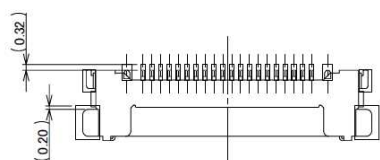
NOTES.

1. IN CASE OF PLUG WITH PULL-BAR, THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.
2. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.

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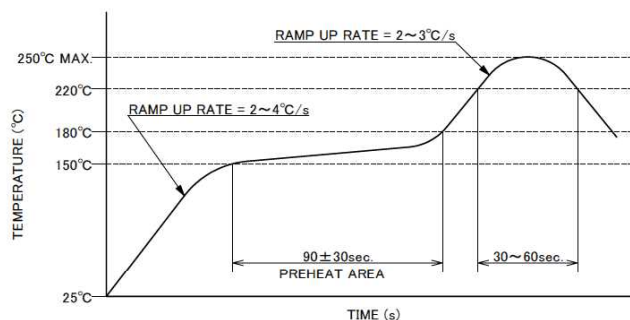


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN
P/N : 20455-0**E-###



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN
P/N : 20455-A20E-###

TYPE-A



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

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ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44, 42, 40, 38, 36 DISCRETE : AWG# 36, 34, 32 TWINCOAX : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT/UP TO 50 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT/UP TO 50 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT/UP TO 6 CONTACTS 1.0A AC/DC [AWG#32] PER CONTACT/UP TO 6 CONTACTS 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% R.H. MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG#32) / AFTER TEST : 440mohm MAX. 180mohm MAX.(AWG#34) 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 : 440mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20P : 9.45N MAX. 30P : 12.15N MAX. 40P : 16.20N MAX. 50P : 20.25N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20P : 2.0N MIN. 30P : 3.0N MIN. 40P : 4.0N MIN. 50P : 5.0N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN. 50P : 24.50N MIN.
PRODUCT SPECIFICATION	PRS-1427
TEST REPORT	TR-08047 (20453-0**T-###) / TR-13084 (20453-2**T-###) / TR-16002 (20453-3**T-###)
INSTRUCTION MANUAL	HIM-08004
ASSEMBLY MANUAL	ASM-08003

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Contact your sales representative for more detailed information.

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