

CABLINE®-CA II

0.4mm Pitch Fully Shielded High-speed Micro-coax Connector

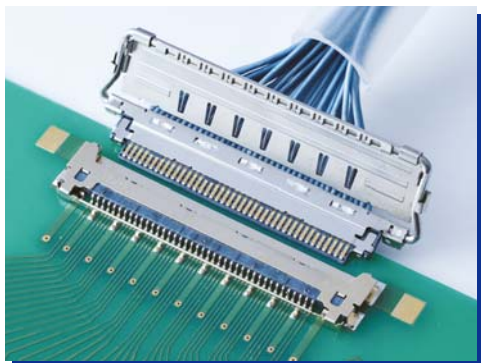


Photo-1 : Before mating

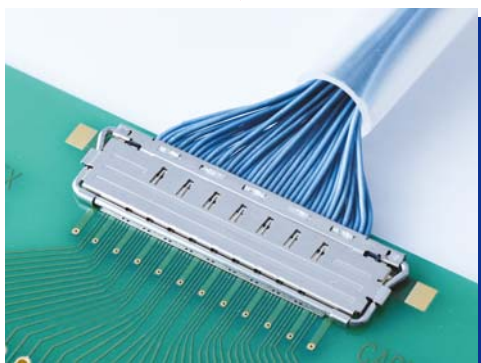


Photo-2 : After mating

- Number of Positions : 20P, 40P, 50P, 60P*
 - Mating Height : 1.1mm max.
 - High-Data-Rate Transfer (20Gbps)
 - Integrated EMI cover for WiFi and LTE isolation
 - Physical locking cover stops back-out/un-mating
 - CABLINE®-CA Receptacle fits on CABLINE®-CA II Pad Layout
- *60p available on "CABLINE®-CAII Plus" design, 1.3mm height

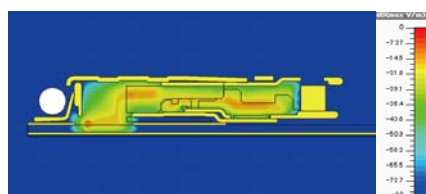
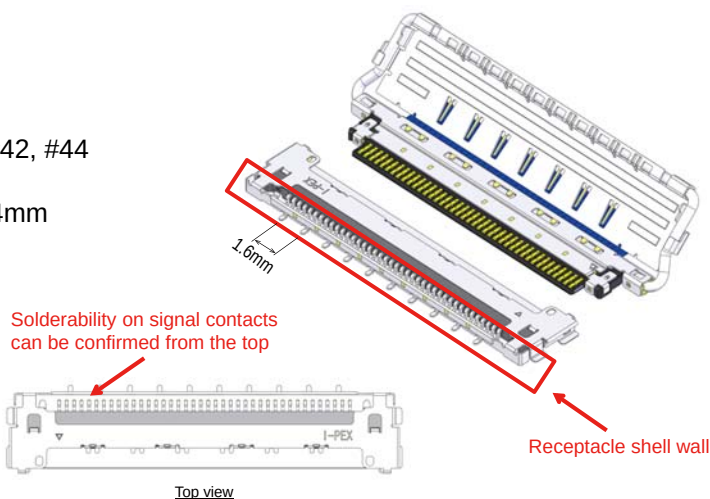


Figure : EMI simulation at 5GHz

- Acceptable Wire :
 - Micro-coax 45Ω AWG#38
 - Micro-coax 50Ω AWG#40, #42, #44
 - Twincoax AWG#40
 - Discrete wire less than $\varnothing 0.4\text{mm}$



【Recommended P/N】

POS.	HOUSING	SHELL A	LOCK BAR	PLUG Set	RECEPTACLE
20	20680-020T-01	3204-0201	20681-020T-01	20679-020T-01	20682-020E-02
40	20680-040T-01	3204-0401	20681-040T-01	20679-040T-01	20682-040E-02
50	20680-050T-01	3204-0501	20681-050T-01	20679-050T-01	20682-050E-02

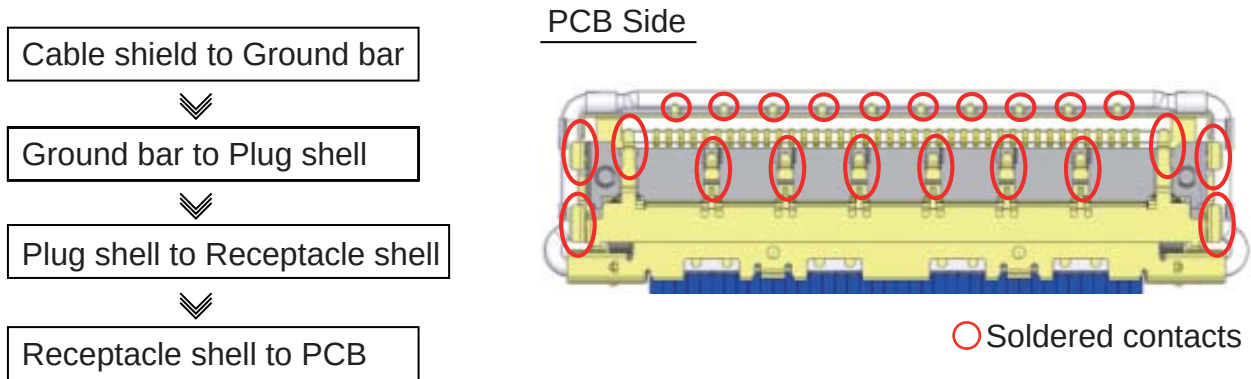


Fig.1 Multiple Grounding Paths provides clean-clear signals

POS.	A	B	C	D	E	F	G	H	J
20	9.40	7.60	5.60	2.00	2.40	4.80	12.18	13.60	15.60
40	17.40	15.60	14.40	1.60	2.40	12.00	20.18	21.60	23.60

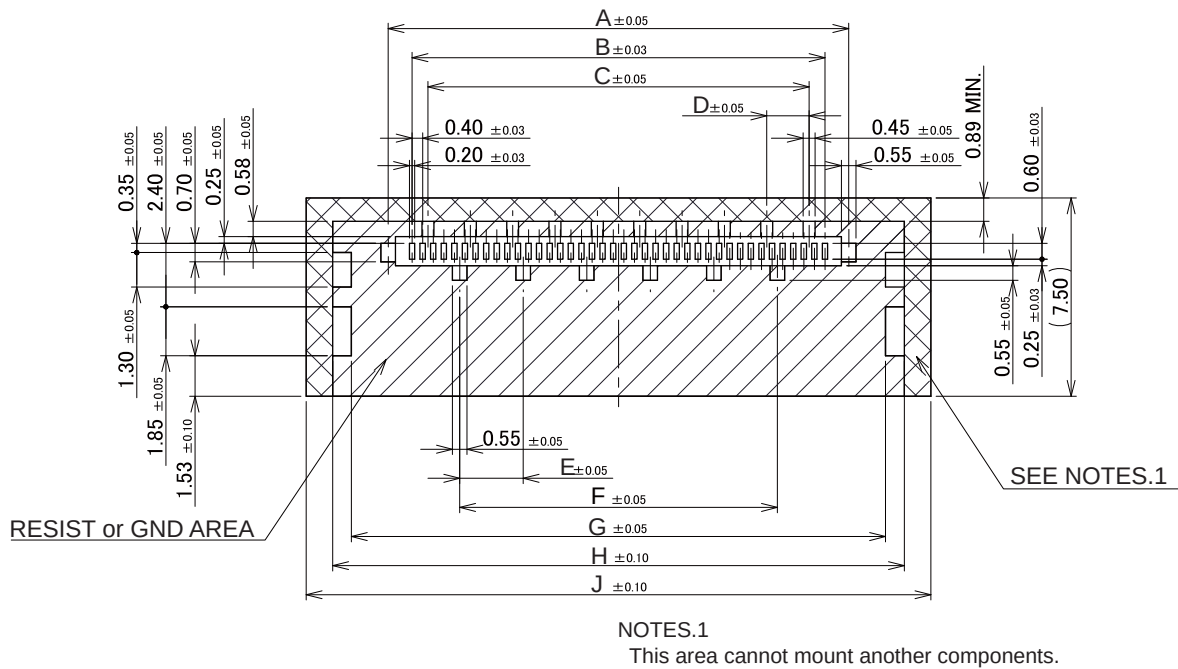


Fig.2 CABLINE®-CA II Pad Layout

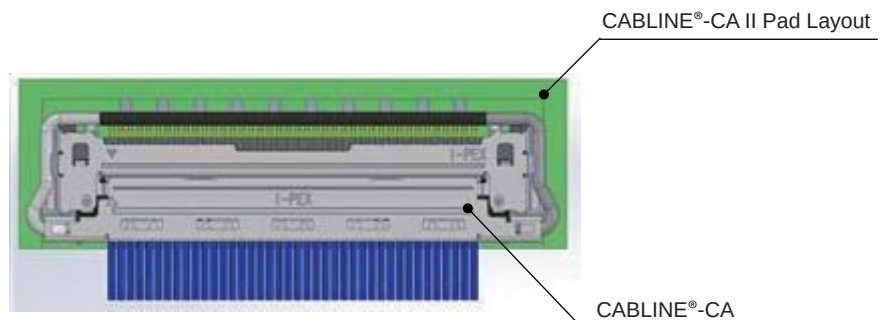
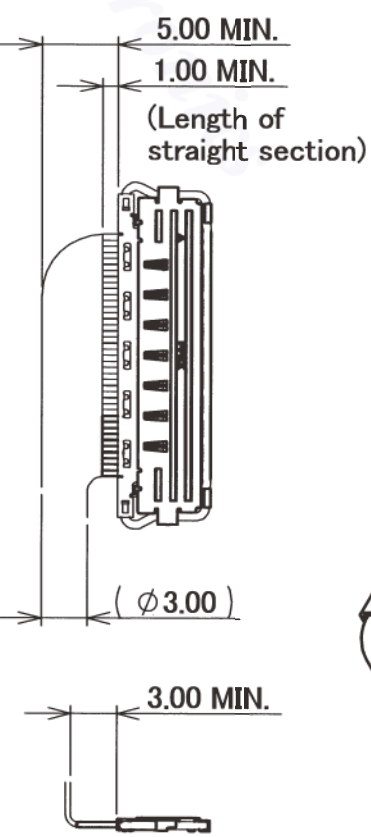
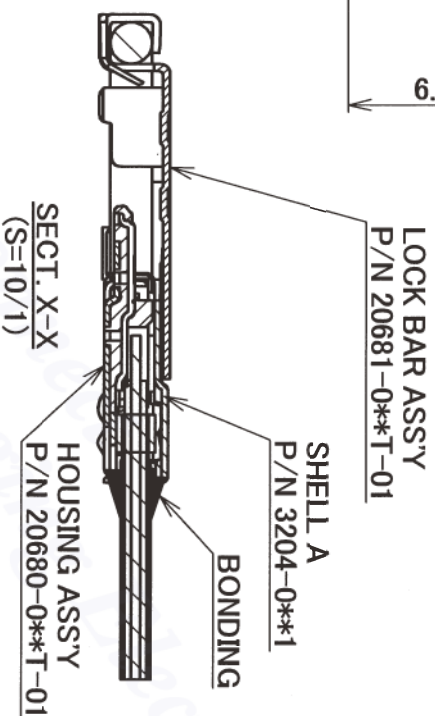
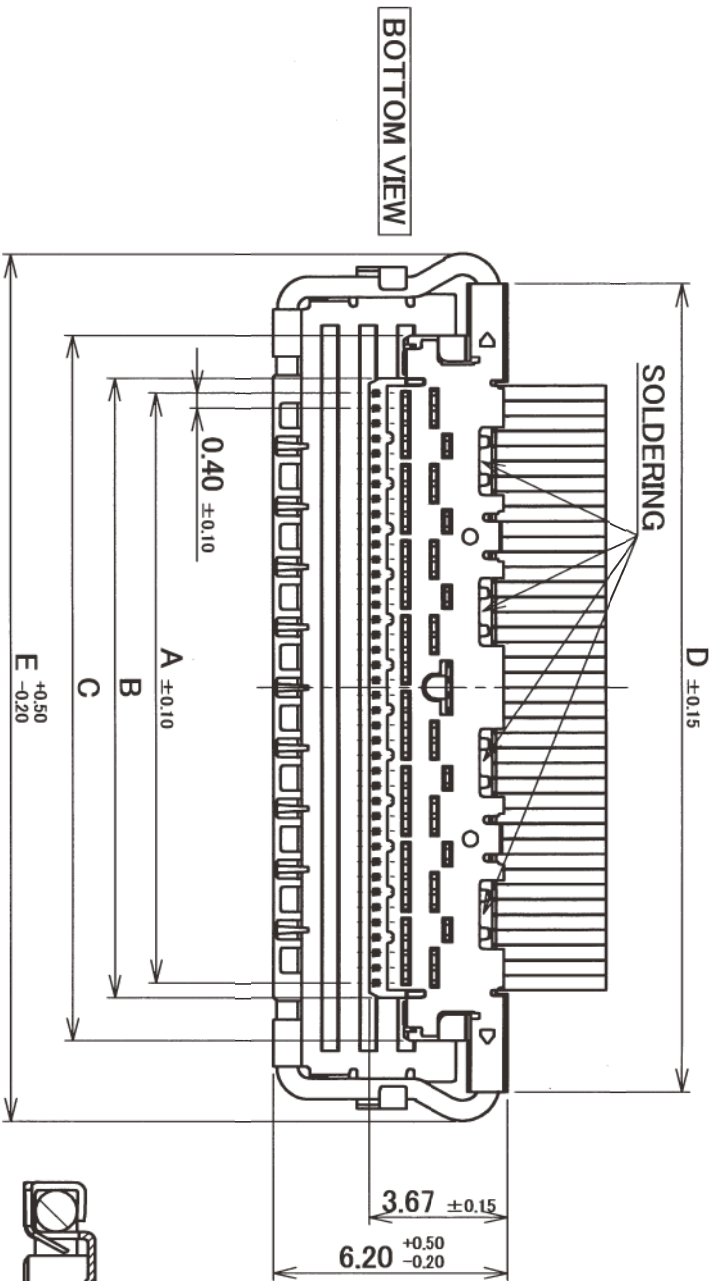
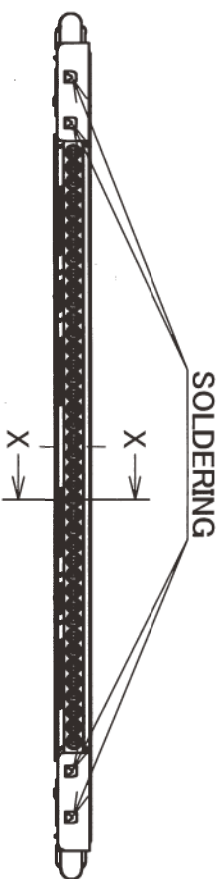
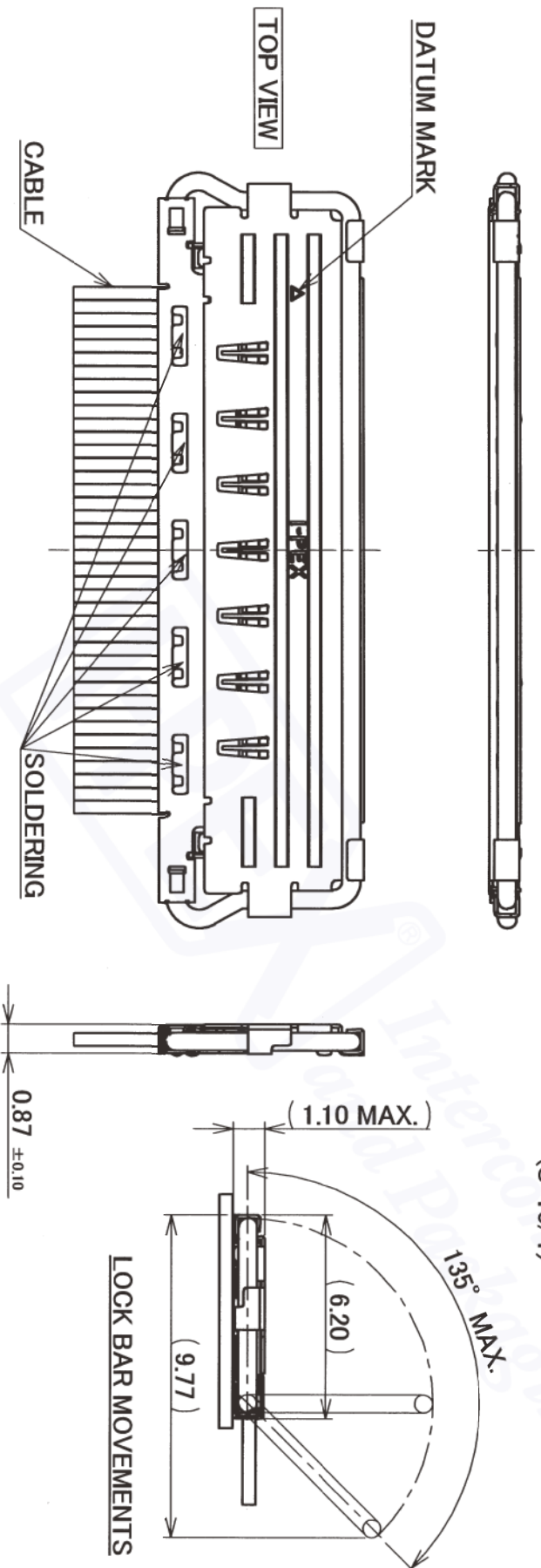


Fig.3 CABLINE®-CA Receptacle fits on CABLINE®-CAII Pad Layout

Recommended P/N		20679-0**T-01				
PART NO.	Pos.	A	B	C	D	E
20679-020T-01	20	7.60	8.40	10.66	13.40	14.95
20679-040T-01	40	15.60	16.40	18.66	21.40	22.95
20679-050T-01	50	19.60	20.40	22.66	25.40	26.95



RECOMMENDED CABLE BENDING DIMENSIONS



GENERAL TOLERANCE	
6 MAX.	± 0.2
6 OVER MAX. 30	± 0.3
30 OVER MAX. 120	± 0.5
ANGLE	$\pm 2^\circ$

PATENT PENDING

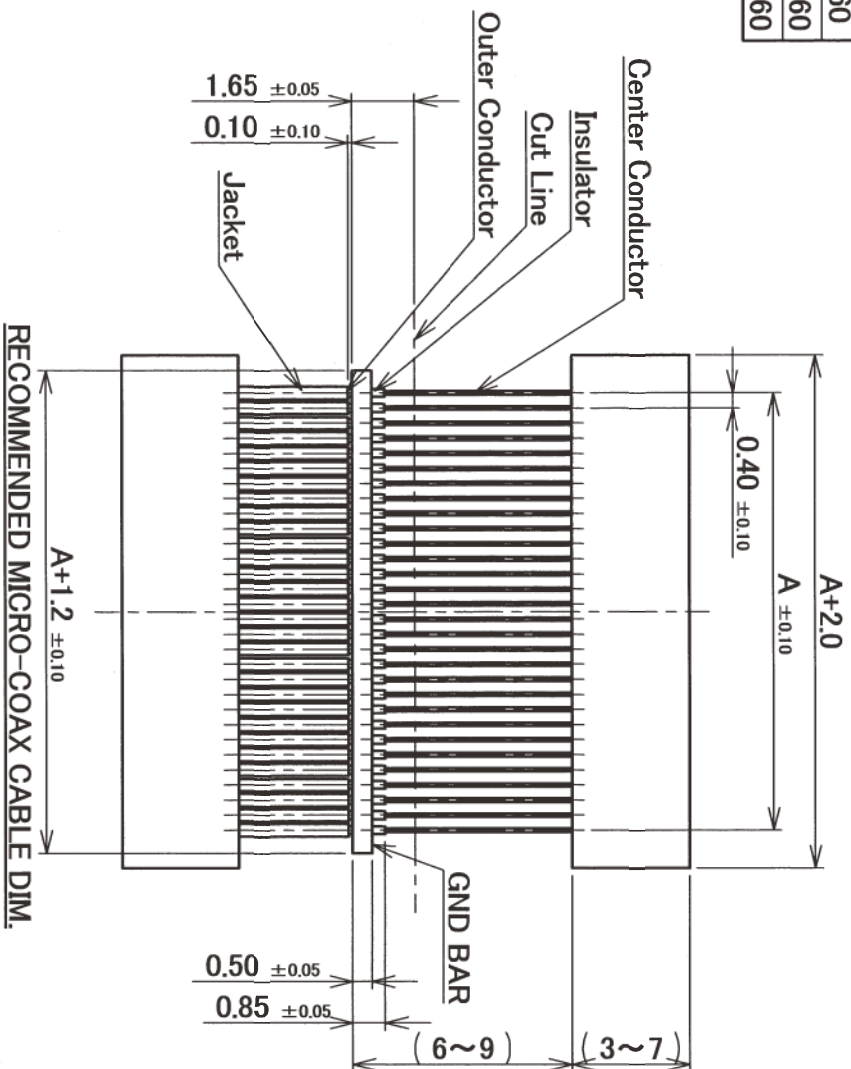
- NOTES.**
1. MATERIAL & FINISH
HOUSING : HEAT RESISTING PLASTICS
(RED PHOSPHORUS FREE), UL94V-0, BLACK
CONTACT : COPPER ALLOY / Au OVER Ni
SHELL A : COPPER ALLOY / Ni
SHELL B : COPPER ALLOY / Ni
LOCK BAR : SUS
COVER : COPPER ALLOY / Ni
RECOMMENDED CABLE
MICRO-COAX : AWG#36, 38, 40, 42, 44 (#36 : POWER ONLY)
TWINCOAX : AWG#40
DISCRETE : AWG#34, 36
 - 2.
 3. RoHS Compliant

I-PEX DA-ICHI SEIKO CO.,LTD.
I-Pex Business Company

TITLE		CABLINE-CA II PLUG FOR CABLE ASSEMBLY	
SERIES No.	R0R0R1	CUSTOMER COPY	PROJECTION
SCALE	5:1	UNIT	mm
DWG. No.	20679	SHEET	1/2
REV.	3		

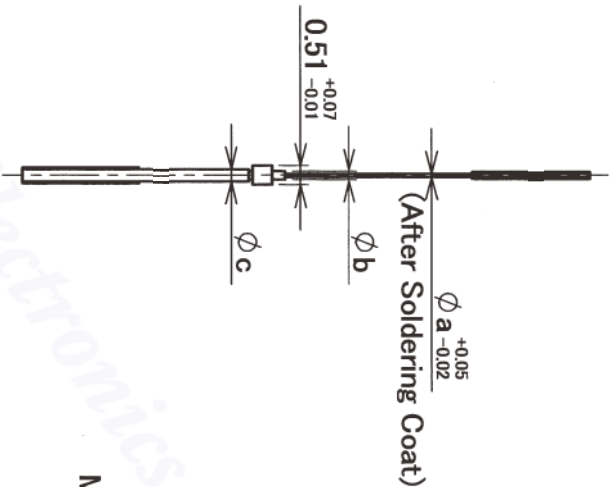
Recommended P/N 20679-0**T-01

PART NO.	Pos.	A
20679-020T-01	20	7.60
20679-040T-01	40	15.60
20679-050T-01	50	19.60



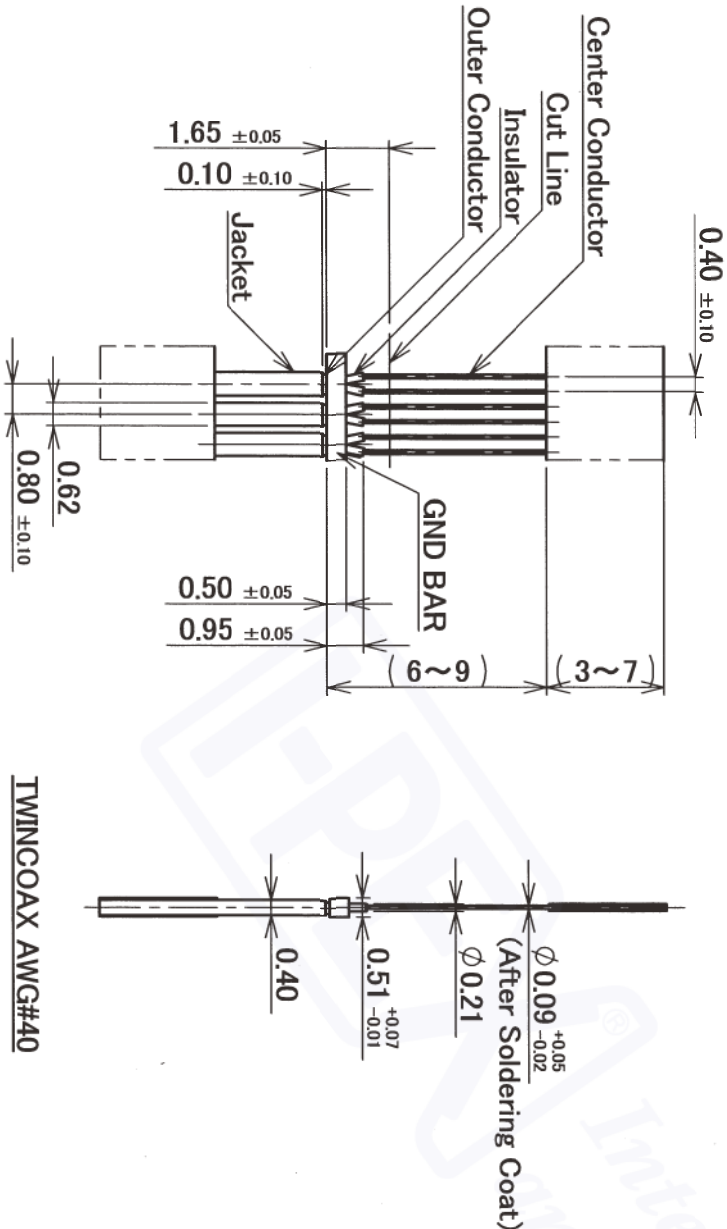
RECOMMENDED MICRO-COAX CABLE DIM.

MICRO-COAX AWG#**



MICRO-COAX #36 : POWER ONLY

SGC DIMENSION			
	a	b	c
#36	0.15	0.29	0.39
#38	0.12	0.29	0.39
#40	0.09	0.21	0.33
#42	0.075	0.20	0.28
#44	0.063	0.18	0.26

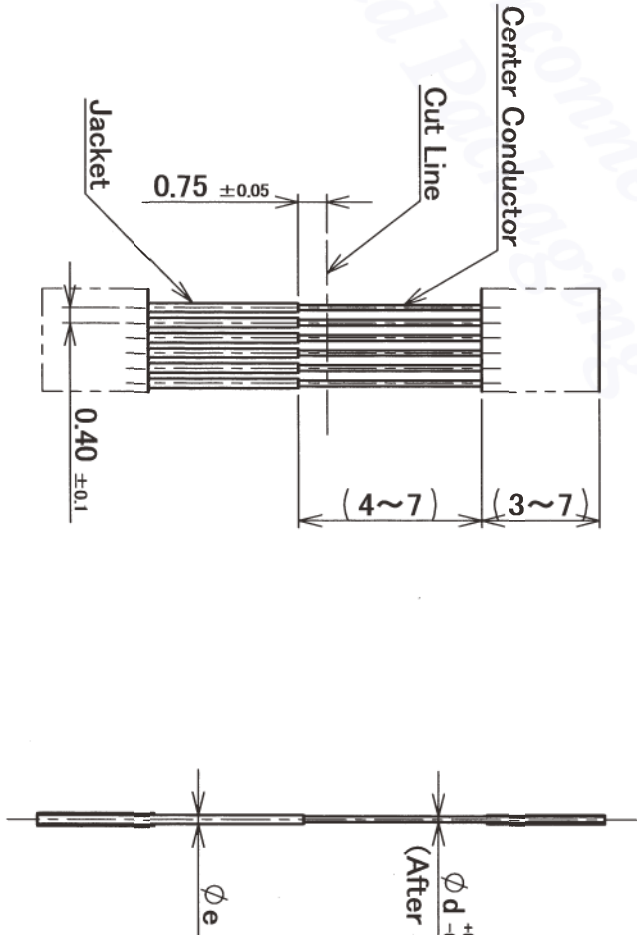


TWINCOAX AWG#40

RECOMMENDED TWINCOAX CABLE DIM.

RECOMMENDED DISCRETE CABLE DIM.

DISCRETE AWG#**



DISCRETE DIMENSION		
	d	e
#34	0.192	0.32
#36	0.15	0.25

GENERAL TOLERANCE

6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

PATENT PENDING

Confidential III C

IPEX DA-ICHI SEIKO CO., LTD.
I-Pex Business Company

CABLNE-CA II PLUG
FOR CABLE ASSEMBLY

TITLE	SERIES No.	CUSTOMER	PROJECTION	SCALE	UNIT	DWG. No.	SHEET	REV.
	R0R0R0	COPY		5:1	mm	20679	2/2	3