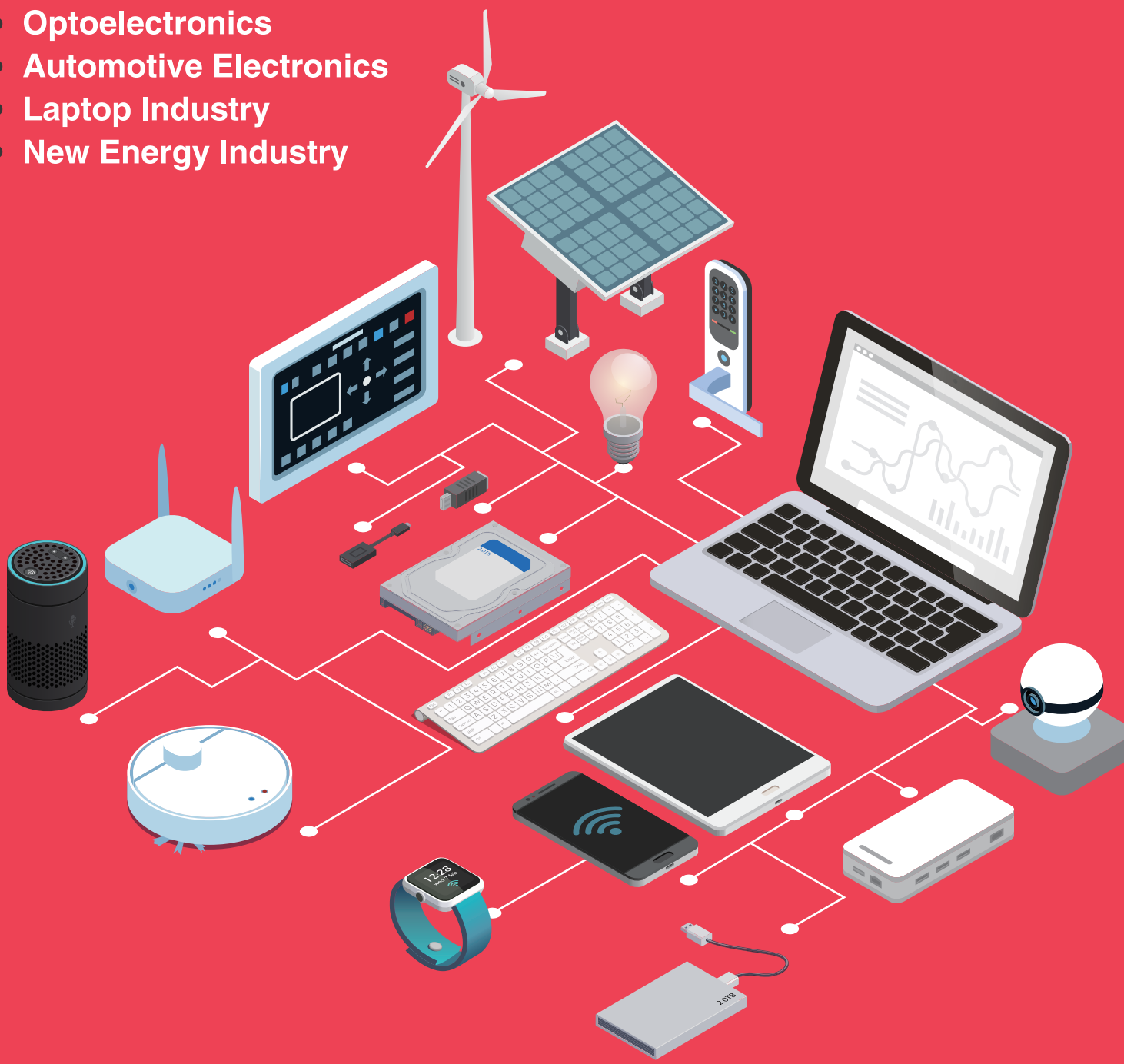
瀚荃集團
CviLux Group

2022 General Catalogue

Connector Specialist

CONNECT THE WORLD CONNECT THE FUTURE

- Smart Home
- Networking
- Optoelectronics
- Automotive Electronics
- Laptop Industry
- New Energy Industry



Established
Taiwan , year 1990

Main Business
CviLux Brand & ODM/OEM Business

Key Products
Connector, FFC, Wire Harness, Cable Assemblies, PCBA, Electronic Components, 3C Product ... etc.

Competitive Advantage
(1) Listed Company in Taiwan Stock Market (TWSE8103)
(2) Worldwide Sales Network
(3) Advance ERP & Customer Service
(4) Integrated Marketing Service System
(5) Turnkey Green Product Solution
(6) International Standard of QC & Certificates

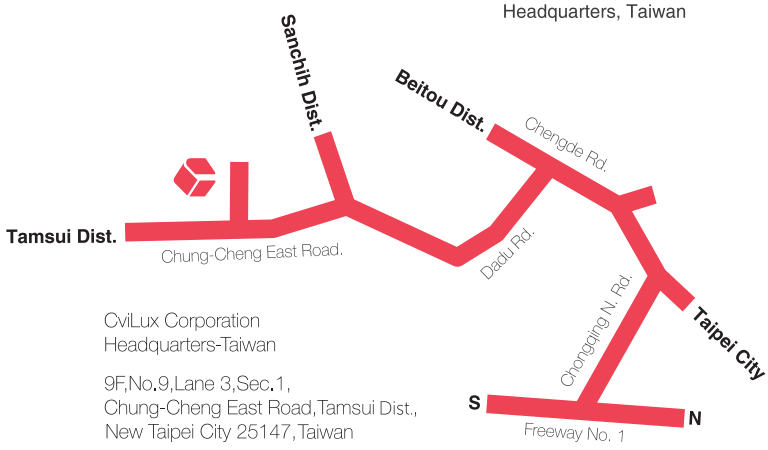
Factory & Office Location
Taiwan – Tamsui Plant – Headquarters (CCT)
China – Dongguan Plant – 1 (CED)
Dongguan Plant – 2 (DQH)
Dongguan Plant – 3 (CED2)
Suzhou Plant (HBC)
Chongqing Plant (CQC)
Anhui Plant (AHC)
Shenzhen Office (CTS)
Lao – Lao Plant (LAO)
USA – USA Office (CUC)

Sales Agent
Allsor Technology Corporation (Taiwan)
Allsor (Dongguan) Technology Corporation (China)

Quality Policy
Improve Our Product Quality & Operation System
To Satisfy Our Customer's Demand

I.P.O.
TWSE8103 (Taiwan Stock Exchange Corp.)

CviLux Corporation
Headquarters, Taiwan



CviLux Corporation
Headquarters-Taiwan

9F,No.9,Lane 3,Sec.1,
Chung-Cheng East Road,Tamsui Dist.,
New Taipei City 25147,Taiwan

CviLux Electronics
(Dongguan) Co., Ltd.

CviLux Technology
(Shenzhen) Corporation

CviLux Technology
(Chongqing) Corporation

Dongguan Qunhan
Electronics Co., Ltd.

TERMS & CONDITIONS

Sample Request
Samples will be dispatched out by freight collected courier against prices approved by customers.

Tape & Reel Request
T/R available, please consult manufacturer for details.

Quotation Validity
Quoted prices are based on current selling prices and will be valid within 6 months from issued date. CviLux reserves the right to adjust quoted prices any time in response to International raw material costs or simply error correction on typing.

Export Payment Terms
Standard term is T/T in advance. Payment term extension application to be approved by CviLux individually.

Minimum Package Quantity
Customer order quantity should meet our minimum package quantity for purpose of inventory control and speeding up for delivery.

Minimum Order Quantity
To smooth production process, please place orders to meet our MOQ based on different products.

Delivery Term
(A) Air shipment amount over USD 5000/ EURO 4500 F.C.A. Taiwan/H.K./ Shanghai.

(B) Air shipment amount less than USD 5000 / EURO 4500: F.C.A. Taiwan/H.K./ Shanghai + handling charge USD 350/ EURO 310 or EXW without handling charge.

(C) Sea shipment amount over USD 12000/ EURO 11000: F.O.B. Taiwan/H.K./ Shanghai.

(D) Sea shipment amount less than USD 12000/ EURO 11000: F.O.B. Taiwan/H.K./Shanghai + handling charge USD 350/ EURO 310 or EXW without handling charge. CviLux reserves the right to adjust handling charge to reflect actual transportation cost and exchange rate if any necessary.

Time of Delivery
All delivery dates quoted are estimated, are not guaranteed and do not form a term of contract, while every endeavor will be made to comply with these dates, CviLux shall have no liability for any delay in dispatch or delivery.

Placing Orders
Please place a formal order by fax, e-mail. Verbal Phone orders will not be accepted or entered into our system. place a formal order by fax, e-mail. Verbal phone orders will not be accepted or entered into our system.

Orders Cancellation and Changes
Customer's orders' cancellation or changes should be informed in 3 days after orders placing. Any unrecoverable manufacturing cost raised by the cancellation and changes will be charged to the customers.

Shipping
Special shipping instruction will be followed whenever possible. If no special demand of shipping, we will deliver the shipment to you with the "best way."

Constant Product Improvement
The products supplied may not be agreed in all details with description and illustrations. Product specifications are subject to constant improvement.

Guarantee
All "non-customized" parts from CviLux Corporation are unconditionally guaranteed for 30 days from the date of shipment.

Warranty
CviLux Corporation warrants the materials and workmanship of its products for 80 days from the date of shipment.

Returned Goods
Any defects or errors for which we are responsible will be promptly rectified. Approval for return of goods must be requested by CviLux. All products returned must have been purchased from CviLux Corporation within 6 months from the date of invoice, and must be packed and shipped in clean and re-saleable condition. Credit for returned goods shall only be allowed by receiving CviLux official credit notes acer above requirements have been met

Force Majeure
CviLux shall have no liability in respect of failure to deliver or per form or delay in delivering or performing any obligations to the customer, due to any cause of whatsoever nature outside of the reasonable control of the seller including but not limited to causes arising from acts or omissions of the customer.

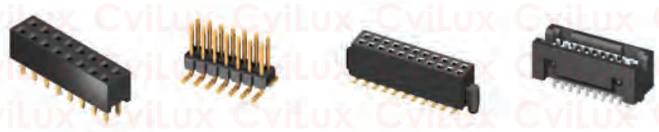
Export Control Regulations
Some or All of the goods supplied by CviLux may be subject to export control regulations. Such goods may not be exported by the customer without prior approval of the relevant authorities. It is the responsibility of the customer to obtain such approval. Under no circumstances shall the seller be liable for any loss or damages incurred by the customer as a result of customer's contravention of any export control regulations.

Smart Home

Wire to Board & Cable Assembly

Power Connectors

Pin Headers

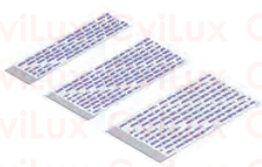


FFC/ FPC Connectors

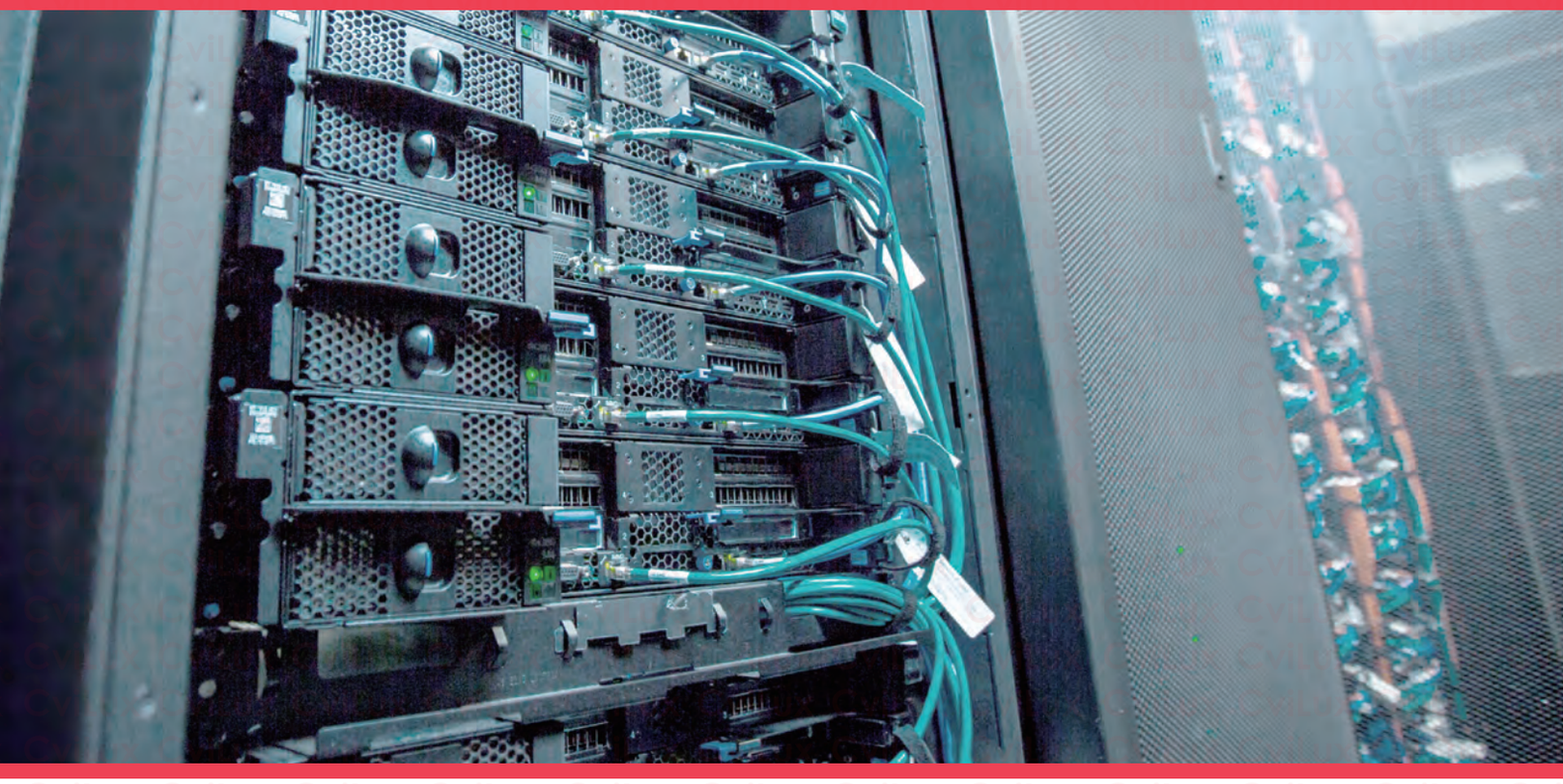
RF Connectors

D-SUB Connectors

FFC



USB Type C Connectors & Cable



Wire to Board & Cable Assembly

Pin Headers

FFC/ FPC Connectors & FFC

RF Connectors

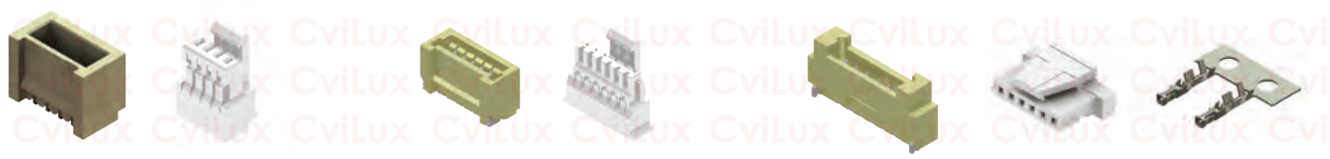
D-SUB & Combo D-SUB

Telephone Jacks

USB Type C Connectors & Cable

Mini PCI-E

Wire to Board Connectors & Harness Cable



FFC/FPC Connectors

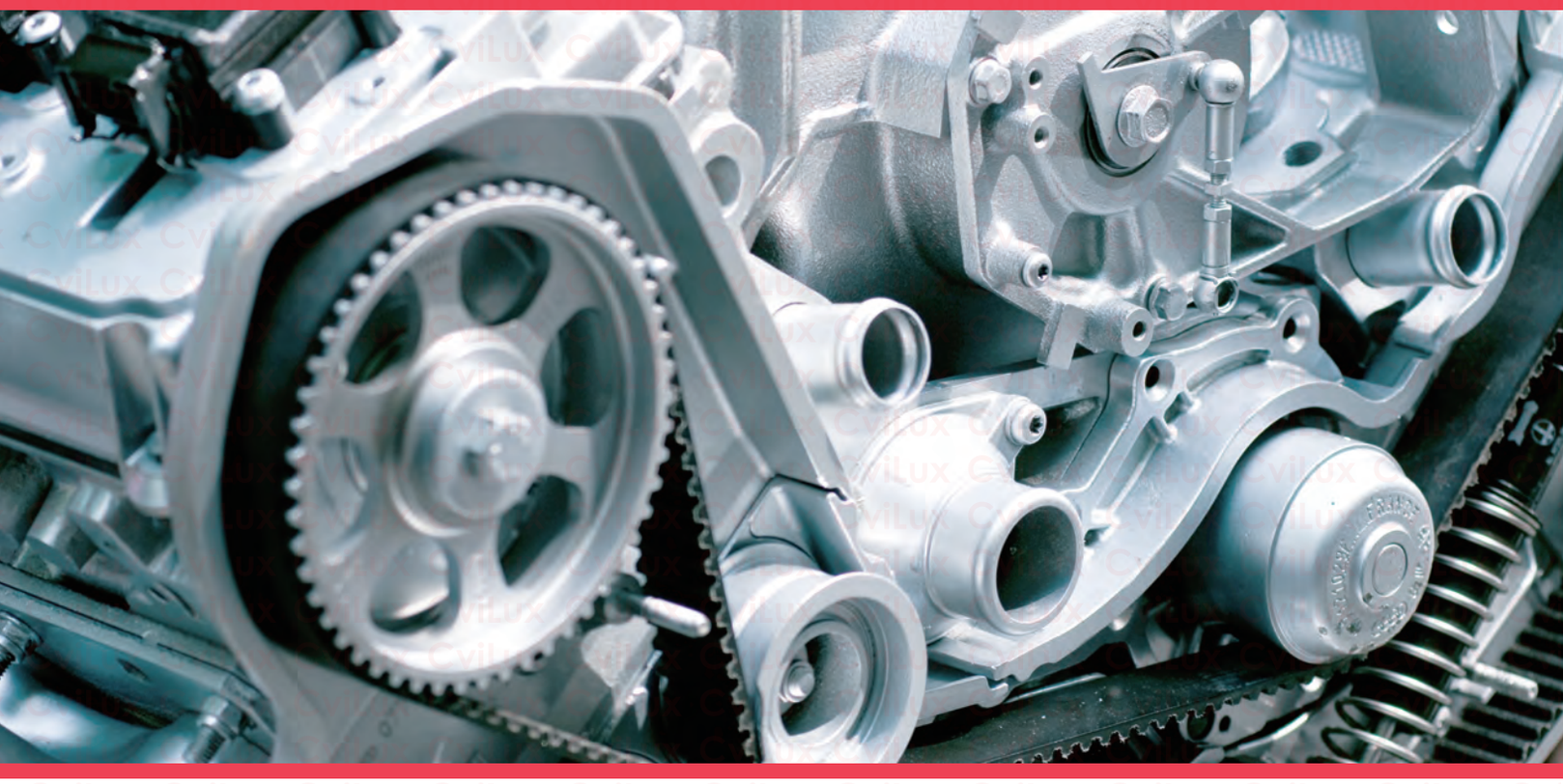
Power Connectors

LED Holder

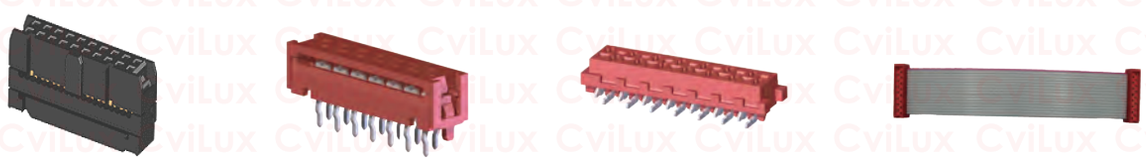
FFC & LVDS FFC

USB Type C Connectors & Cable

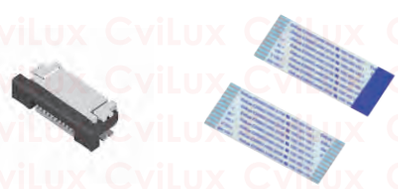
Automotive Electronics



IDC Connectors & Cable

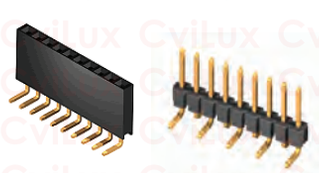


FFC/FPC Connectors & FFC



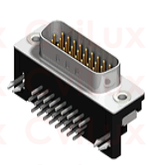
Power Connectors

Pin Headers



BTB Connectors

D-SUB



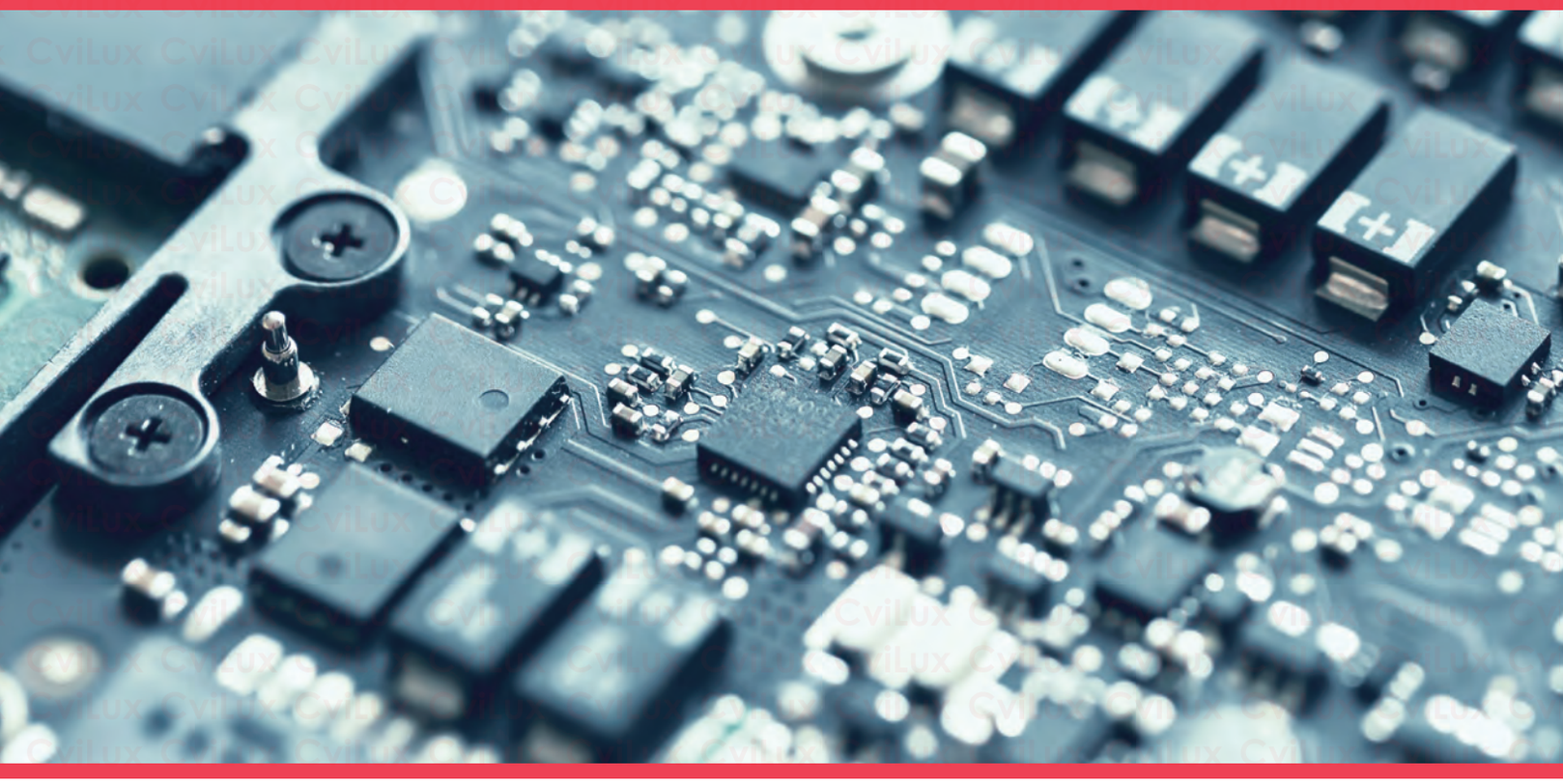
USB Type C Connectors & Cable

USB

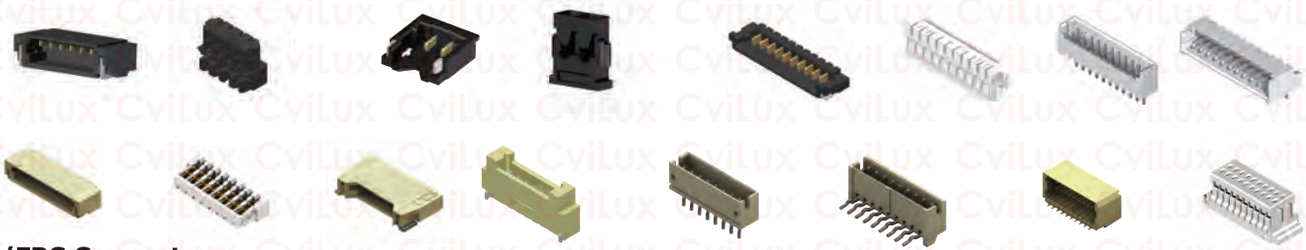
IC socket

Jumper

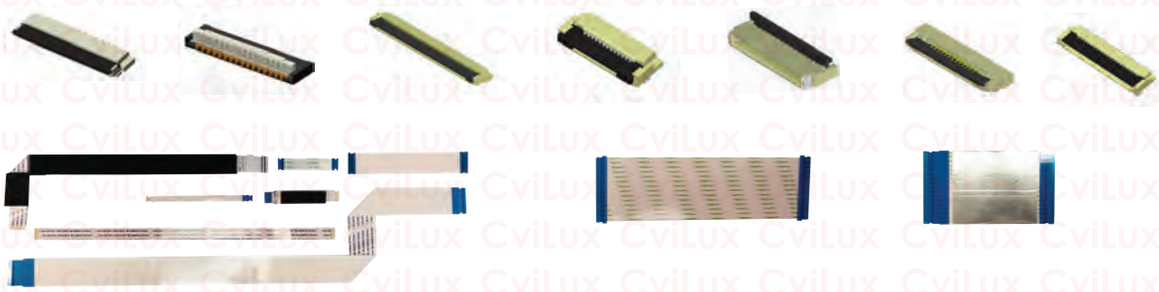
Laptop Industry



Wire to Board Connectors



FFC/FPC Connectors



BTB Connectors

LVDS Connectors

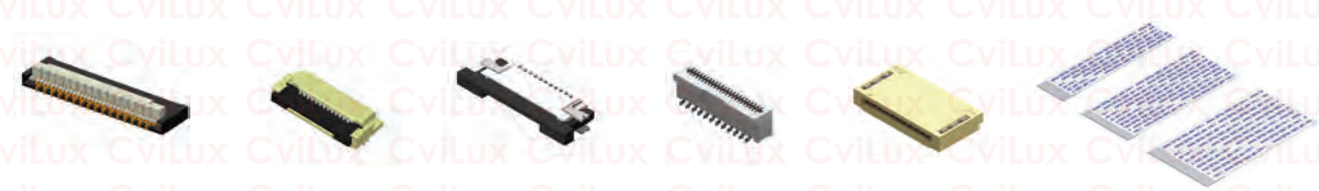
USB Type C Connectors

1/O Connectors

New Energy Industry

Wire to Board Connectors

FFC/FPC Connectors & FFC



BTB Connectors

I/O Connectors

USB Type C Connectors

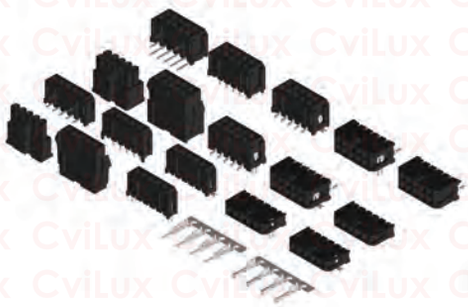
USB Type C Cable

FFC / FPC Connectors

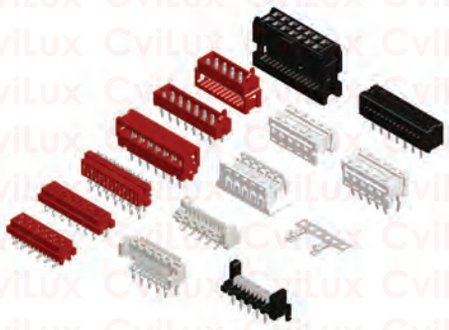
FFC and LVDS Cables

LVDS Connectors

Wire to Board Connectors

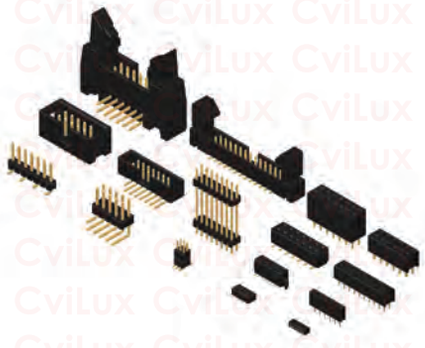


Power Connectors



IDC Connectors

Board to Board Connectors

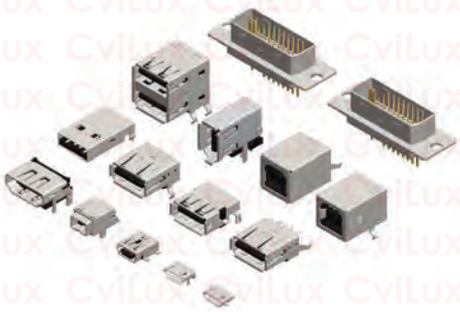


Pin Headers

Socket Connectors

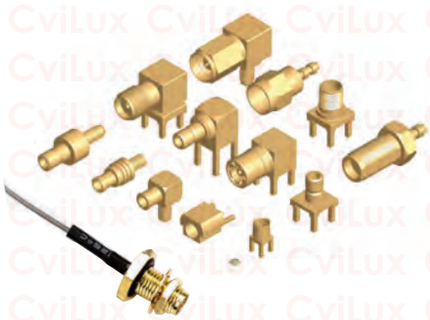
D-SUB and
Combo D-SUB Connectors

Modular Jack Connectors



1/O Connectors

USB Type C Connectors

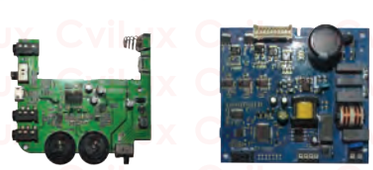


RF Microwave
Coaxial Connectors & Cable

Pogo Pin Connectors

Fiber Optical Connector
& Cable

PCBA



Module

PI High Temperature Film FFC

Cable with PCBA Assemblies

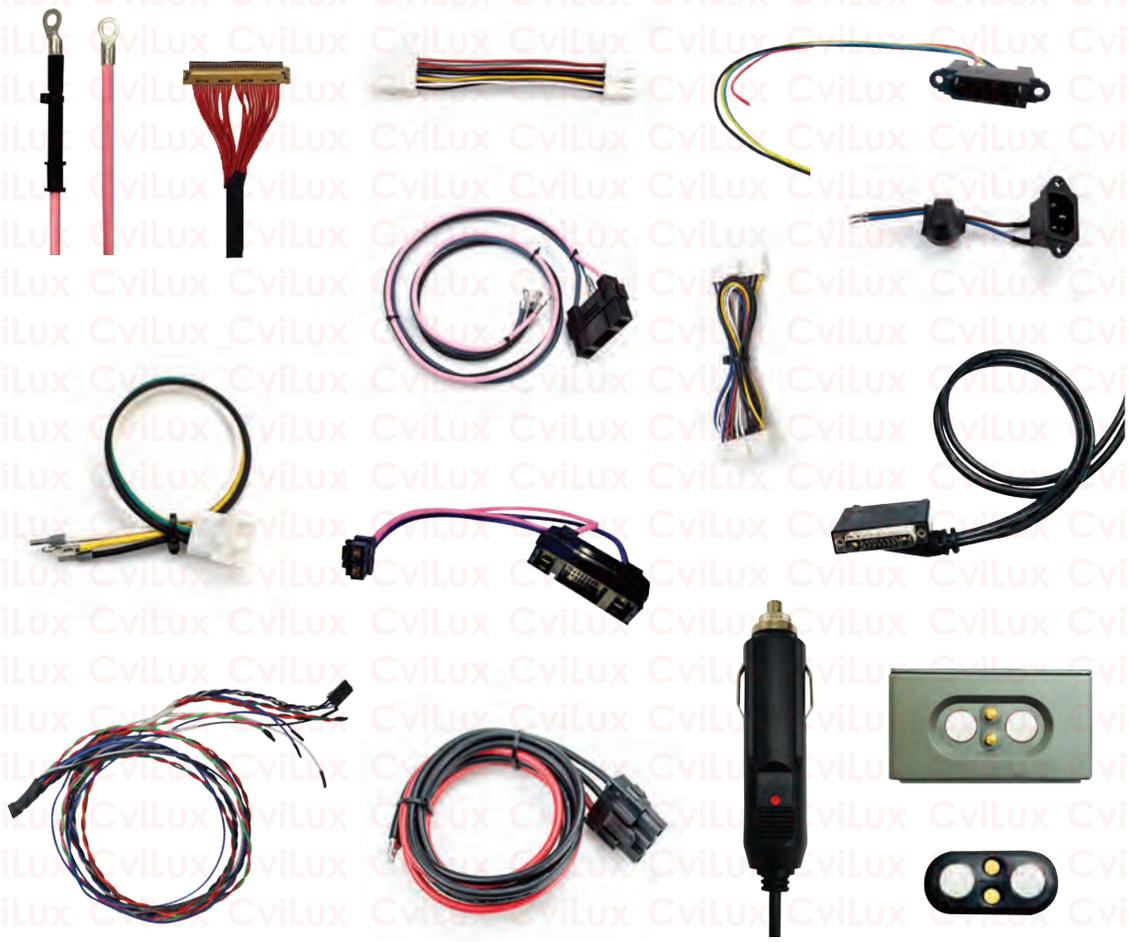
IDC Cable Assemblies

Type C Cable & Adapter

Lightning Cable

HDMI AOC Cable

Customized Wire Harnesses & Cable Assemblies



Automotive Wire Harnesses & Cable Assemblies

STATEMENT OF ENVIRONMENTAL FRIENDLY POLICY

As members of global community, we should all be aware of limited resource consumption and increasing pollution's impact to earth. Our next generation and living animals could live in a dangerous environment without our efforts. Because of this, CviLux Corporation commits to provide environmental friendly products to its clients by using less energy and efficient production. CviLux spirit is to preach such green mind to all the employees and partners who are working closely with us.

Definition:

RoHS Compliant and Lead Free Soldering Process

This letter is released to explain the difference between RoHS compliant and Lead Free Soldering Process. These terms confused R&D designers a lot when they need to select right components and processes for their designs. With this letter,we hope to minimize the confusion and clarify these terms to any one who is interested in this topic.

- RoHS compliant: Indicates raw material of product contained forbidden material within the limitation defined by RoHS directive 2011/65/EU & 2015/863/EU.

- Lead Free Soldering Process: Indicates products themselves can stand specific soldering profile such as J-STD-020C/D or SS-00254.

Currently, there are still no fixed lead free soldering process can be adopted to all kinds of components. For SMT components, the most widely used norms are J-STD-020C/D and SS-00254. As for THT components, JESD22-B106C is the most popular one. CviLux has already set these norms as the standard processes to follow. The details of related soldering temperature of above norms can be found in CviLux product specifications.

Besides, there is still one important concept- It is not a must for RoHS compliant components to adapt Lead Free soldering process. In some cases, it is possible that components are RoHS compliant but not available for lead free soldering process. On the contrary, components available for lead free soldering process are always RoHS compliant. One obvious example is that when cable assemblies can meet RoHS standard, it refers to that the raw materials are environmental friendly only but nothing related to lead free soldering process. PCB components apply the same to the above.

Halogen Free

Halogens are 5 non-metallic elements in group VIIA of the periodic table Fluorine, Chlorine, Bromine, Lodine, Astatine.
Halogens exists, at room temperature, in all three status, Solid (Lodine, Astatine), Liquid (Bromine) and Gas (Fluorine, Chlorine). Currently, only 2 of these 5 elements are normative by IEC, which are Cl and Br.

Why does Halogen Free become new challenges to connector manufacturers? Because the common used connector raw materials like PA66 and PBT are without fire resistance characteristic originally, to strengthen fire resistance characteristic in connector raw materials, Brominated Flame Retardants are used as additive. However, with more and more emphasis on the importance of Halogen Free products, the use of Brominated Flame Retardants becomes more and more difficult and is restricted by content. To adapt this world wide trend, CviLux has had set its standard of Halogens Free policy according to IEC 61249-2-21 and produce the products since Jan. 2008.

- 900 ppm maximum Cl.
- 900 ppm maximum Br.
- 1500 ppm total Halogens.

Meanwhile, as the research of alternative materials/solutions for better performance plastics is progressing, CviLux will take part in this trend and provide its customers with latest technical support.

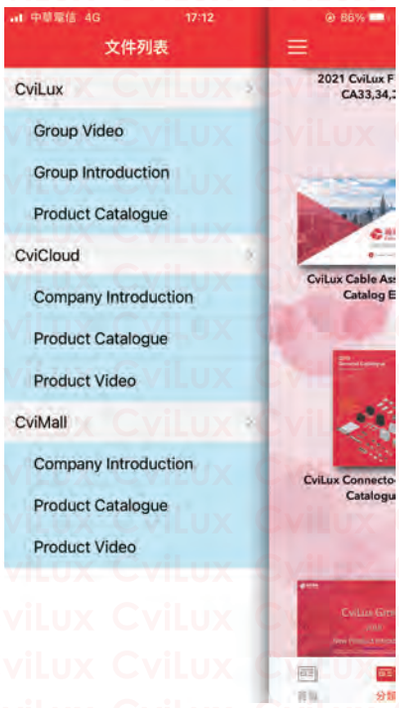
Requirement for install

◎ Android 7.0 above, iOS 9 above.

Step 1.
iOS/Google Play Key Word Search:
CVILUX

Step 3.
General Catalogue

Step 2.
Download E- Catalogue on the shelf



GET IT ON Google Play

Available on the App Store

TABLE OF CONTENT

RoHS Compliant : RoHS Compliant : TUV Certificated : UL Certificated

: Lead-Free soldering process available : Halogen-Free

Series	Pitch(mm/inch)	Description	
A. FFC / FPC Connectors			
System CF		Construction of Connector	1
		Connection Combinations of Connector and FFC Cable	2
CF58	0.30(.012")	H=0.90 SMT ZIF FFC/FPC Connectors(Back Lock)	4
CF38	0.30(.012")	H=1.00 SMT ZIF One-Touch FFC/FPC Connectors	5
CF30	0.30(.012")	H=1.25 SMT ZIF One-Touch FFC/FPC Connectors	6
CF86	0.50(.020")	H=0.90 ZIF Side Entry SMT Type FFC/FPC Connectors	7
CF42	0.50(.020")	H=0.96 SMT ZIF One-Touch FFC/FPC Connectors (Back Flip)	8
CF35	0.50(.020")	H=0.96 SMT ZIF One-Touch FFC/FPC Connectors	10
CF87	0.50(.020")	H=0.98 ZIF Side Entry SMT Type FFC/FPC Connectors (Back Flip)	13
CF92	0.50(.020")	H=1.22 SMT ZIF One-Touch FFC/FPC Connectors	14
CF55	0.50(.020")	H=1.25 SMT ZIF One-Touch FFC/FPC Connectors	15
CF88	0.50(.020")	H=1.57 ZIF Side Entry SMT Type FFC/FPC Connectors (Back Flip)	16
CF69	0.50(.020")	H=1.75 SMT LIF One-Touch FFC/FPC Connectors	17
CF39	0.50(.020")	SMT One - Touch FFC/FPC Connectors	18
CF75	0.50(.020")	SMT One-Touch FFC/FPC Connectors	19
CF82	0.50(.020")	H=2.00 SMT ZIF One-Touch FFC/FPC Connectors	20
	1.00(.039")	H=2.00 SMT ZIF One-Touch FFC/FPC Connectors	21
CF76	0.50(.020")	H=2.10 SMT LIF FFC/FPC Connectors	22
CF85	0.50(.020")	H=2.20 SMT ZIF One-Touch FFC/FPC Connectors	23
CF90	0.50(.020")	H=2.20 ZIF FFC/FPC Connectors	24
CF50	0.50(.020")	H=1.46 SMT ZIF One-Touch FFC/FPC Connectors	25
	1.00(.039")	H=1.46 SMT ZIF One-Touch FFC/FPC Connectors	28
CF61	0.50(.020")	H=1.75 SMT ZIF One-Touch FFC/FPC Connectors	32
CF31	0.50(.020")	H=1.95 SMT ZIF One-Touch FFC/FPC Connectors	33
	1.00(.039")	H=1.95 SMT ZIF One-Touch FFC/FPC Connectors	34
CF34	0.50(.020")	H=1.95 SMT ZIF One-Touch FFC/FPC Connectors	36
CF25	0.50(.020")	H=2.20 SMT ZIF One-Touch FFC/FPC Connectors	38
	1.00(.039")	H=2.20 SMT ZIF One-Touch FFC/FPC Connectors	40
CF11	0.50(.020")	H=2.70 SMT ZIF One-Touch FFC/FPC Connectors (Back Flip)	42
	1.00(.039")	H=2.70 SMT ZIF One-Touch FFC/FPC Connectors (Back Flip)	43
CF23	0.50(.020")	H=1.20 SMT ZIF FFC/FPC Connectors	45
	1.00(.039")	H=1.20 SMT ZIF FFC/FPC Connectors	46
CF20	0.50(.020")	H=2.00 SMT ZIF FFC/FPC Connectors	47
	0.50(.020")	H=3.90 SMT ZIF Vertical FFC/FPC Connectors	48
	1.00(.039")	H=2.00 SMT ZIF FFC/FPC Connectors	49
CF27	0.50(.020")	H=1.20 SMT LIF FFC/FPC Connectors	50
	1.00(.039")	H=1.20 SMT LIF FFC/FPC Connectors	51
CF24	0.50(.020")	H=4.20 SMT LIF Vertical FFC/FPC Connectors	52
CF95	0.80(.031")	H=1.50 SMT ZIF FFC/FPC Connectors (Back Flip)	53
CF84	0.80(.031")	H=1.57 SMT ZIF FFC/FPC Connectors (Back Flip)	54
CF32	0.80(.031")	H=1.95 SMT ZIF One-Touch FFC/FPC Connectors	55
CF37	0.80(.031")	H=1.95 SMT ZIF One-Touch FFC/FPC Connectors	56
CF07	1.00(.039")	H=2.60 SMT ZIF FFC/FPC Connectors	57
CF08	1.00(.039")	H=2.60/3.55 SMT LIF & SMT LIF Vertical FFC/FPC Connectors	58
CF09	1.00(.039")	H=2.60/5.50 DIP LIF FFC/FPC Connectors	59

CF73	1.00(.039")	H=3.30 SMT ZIF One-Toach FFC-FPC Connectors	60
CF10	1.00(.039")	H=3.80/5.00 DIP ZIF FFC/FPC Connectors	61
		H=5.20 SMT ZIF FFC/FPC Connectors	62
CF16	1.00(.039")	H=3.80/5.00 DIP LIF FFC/FPC Connectors	63
		H=3.80/5.20 SMT LIF FFC/FPC Connectors	64
CF12	1.25(.049")	H=4.00/6.80 DIP LIF FFC/FPC Connectors	65
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CI11	1.00(.039")	Single Row Wire to Board Connectors Housing & Terminal	83
		Single Row Wire to Board Connectors SMT Headers	84
		Dual Row Wire to Board Connectors Housing & Terminal	85
		Dual Row Wire to Board Connectors SMT Headers	86
CI16	1.00(.039")	Wire to Board Connectors Housing & Terminal	87
		Wire to Board Connectors SMT Headers	88
CI14	1.00(.039")	Wire to Board Connectors Housing & Terminal	89
		Wire to Board Connectors SMT Side Entry Headers	90
		Wire to Board Connectors Housing & SMT Side/Top Entry Headers	91
CI63	1.20(.048")	Wire to Board Connectors Housing & Terminal & SMT Headers	94
	1.20(.048")	Wire to Board SMT Headers	95
CI40	1.25(.049")	Wire to Board Housing & Terminal	96
		Wire to Board SMT Headers	97
CI42	1.25(.049")	Wire to Board Housing & Terminal	98
	1.25(.049")	Wire to Board SMT Header	99
CI43	1.25(.049")	Wire to Board Connectors Housing & Terminal & SMT Headers	100
CI44	1.25(.049")	Wire to Board Connectors Housing & Terminal	101
		Wire to Board Connectors DIP Headers	102
		Wire to Board Connectors SMT Headers	103
CI45	1.25(.049")	Wire to Board Connectors Housing & SMT Headers	104
CI46	1.25(.049")	Wire to Board Connectors Housing & Terminal	105
		Wire to Board Connectors SMT Headers	106
CIDL	1.25(.049")	Wire to Board Connectors	107
CI15	1.50(.059")	Wire to Board Connectors Housing & Terminal	108
		Wire to Board Connectors DIP & SMT Headers	109

		Wire to Board Latch Type Housing & SMT Headers	110
CI19	1.50(.059")	Wire to Board Connectors Housing & Terminal	112
		Wire to Board Connectors SMT Headers	113
CI87	1.50(.059")	Wire to Board Connectors Housing & Terminal & SMT Headers	114
CIDW	1.50(.059")	Single Row Wire to Board Housing & Terminal	115
		Wire to Board Connectors SMT Headers	116
CIEJ	1.50(.059")	Single Row Wire to Board Housing & Terminal	117
		Single Row Wire to Board SMT Headers	118
CI07	1.80(.071")	Wire to Board Connectors Housing & Terminal	119
		Wire to Board Connectors SMT Headers	120
CI01	2.00(.079")	Single Row Wire to Board IDC Housing & Terminal	121
		Single Row Wire to Board Connectors DIP & SMT Headers	123
		Single Row Wire to Board Latch Type Housing & SMT Header	124
		Dual Row Wire to Board Connectors Housing & Terminal	126
		Dual Row Wire to Board Connectors DIP Headers	127
CI02	2.00(.079")	Board In Connectors	128
CI06	2.00(.079")	Wire to Board Connectors Housing & Terminal	129
		Wire to Board Connectors DIP & SMT Headers	130
CI08	2.00(.079")	Wire to Board Connectors SMT & DIP Headers	131
CI10	2.00(.079")	Wire to Board Connectors SMT Headers	132
CIDX	2.00(.079")	Single Row Wire to Board Housing & Terminal	135
		Wire to Board Connectors SMT Headers	136
CIDY	2.00(.079")	Single Row Wire to Board Housing & Terminal	137
		Wire to Board Connectors DIP Headers	138
CID9	2.00(.079")	Single Row Wire to Board Housing & Terminal	139
		Single Row Wire to Board SMT Headers	140
CIEG	2.00(.079")	Single Row Wire to Board Housing & Terminal	141
CIE4	2.00(.079")	Daul Row Wire to Board to Board DIP Headers	143
CI21	2.50(.098")	Wire to Board Connectors Housing & Terminal	144
		Wire to Board Connectors DIP Headers	145
CI22	2.50(.098")	Wire to Board IDC Connectors Housing & Terminal	146
		Wire to Board IDC Connectors Housing & IDC Cable	147
		Wire to Board IDC Connectors Connectors DIP Header	148
CI23	2.50(.098")	Wire to Board Connectors Housing & Terminal	149
		Wire to Board Connectors DIP Headers	150
CI25	2.50(.098")	Wire to Board Connectors Housing & Terminal	151
		Wire to Board Connectors DIP Headers	152
CI26	2.50(.098")	Board In Connectors	153
CI27	2.50(.098")	Board In Connectors	154
CI30	2.50(.098")	Wire to Board Connectors DIP Header	155
CI60	2.50(.098")	Wire to Board Connectors DIP Header & Housing & Terminal	156
CIL4	2.50(.098")	Wire to Board Connectors SMT Headers	157
CI31	2.54(.100")	Wire to Board Connectors Housing & Terminal	158
		Wire to Board Connectors DIP Headers	159
CI32	2.54(.100")	Wire to Board Connectors Housing & Terminal	160
CI34	2.54(.100")	Dual Row Wire to Board Connectors Housing	161
CI33	2.54(.100")	Single Row Wire to Board Connectors Housing	162
		Single Row Wire to Board Connectors DIP Headers	163
		Dual Row Wire to Board Connectors Connectors	164
		Dual Row Wire to Board Connectors	165

CI35	2.54(.100")	Wire to Board Connectors	166
CI39	2.54(.100")	Wire to Board Connectors SMT Headers	167
CI83	2.54(.100")	Friction Lock Breakaway Headers	168
CID2	2.54(.100")	IDC type Connectors	169
CID7	2.54(.100")	Wire to Board Housing/Terminal/Straight Headers	170
CIL1	3.50(.138")	Board to Board connectors	171
CI51	3.96(.156")	Wire to Board Connectors Housing & Terminal	173
		Wire to Board Connectors DIP Headers	174
CI52	3.96(.156")	Wire to Board Connectors Housing & Terminal	175
		Wire to Board Connectors DIP Headers	176
	7.92(.312")	Wire to Board Connectors DIP Headers	177
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CP06	2.50(.098")	Receptacle Connectors	193
	2.50(.098")	Plug Connectors	194
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		Single Row Board Mount Headers	197
		Single Row Side Entry SMT Headers	198
		Single Row Top Entry SMT Headers	200
		Dual Row Receptacle Connectors	201
		Dual Row Plug Connectors	202
		Dual Row Board Mount Headers	203
		Dual Row Side Entry SMT Headers	204
		Dual Row Top Entry SMT Headers	206
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CP33	5.08(.200")	IDC & Board Mount Receptacle Power Connectors	220
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CB41	2.54(.100")	Dual Row Female Headers	269
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CB91	2.54(.100")	Dual Row Female Headers	272
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CH34	2.54(.100")	Single Row Dual Bodies Pin Headers	302
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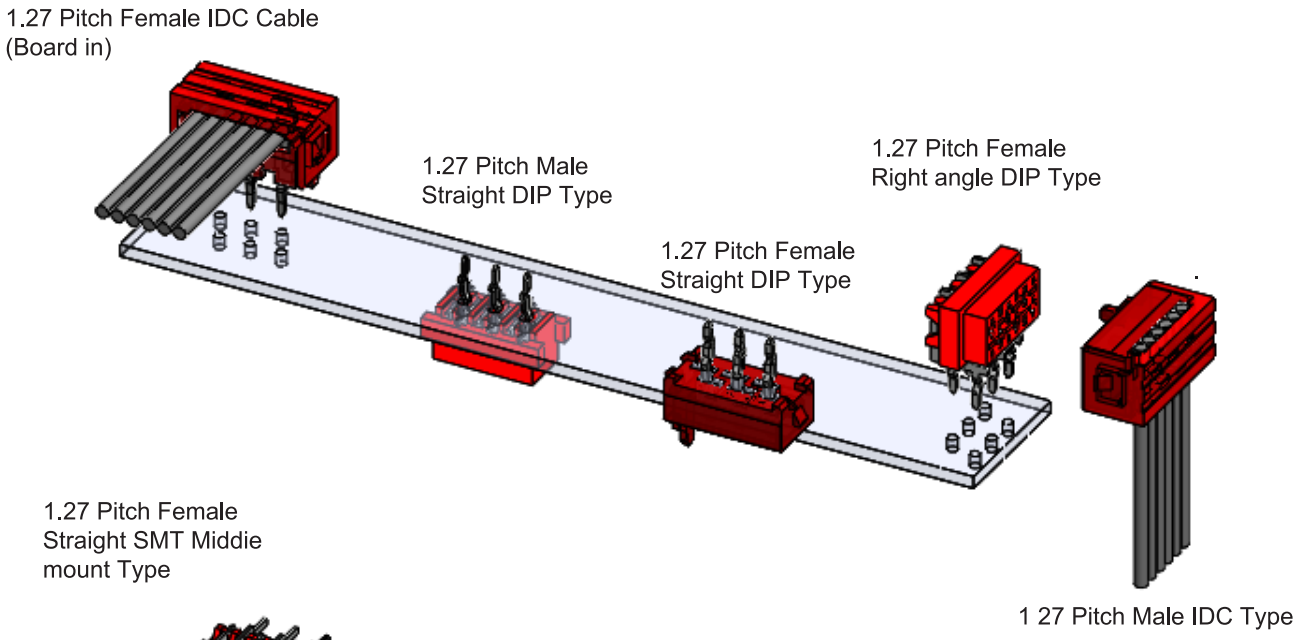
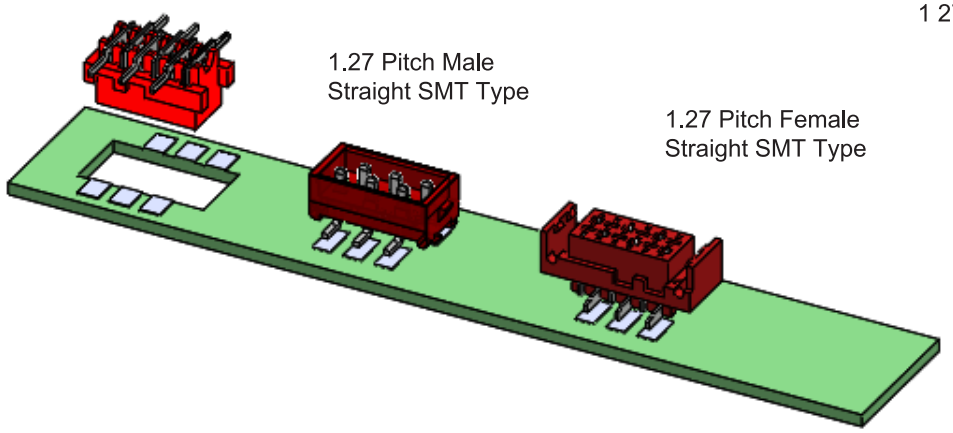
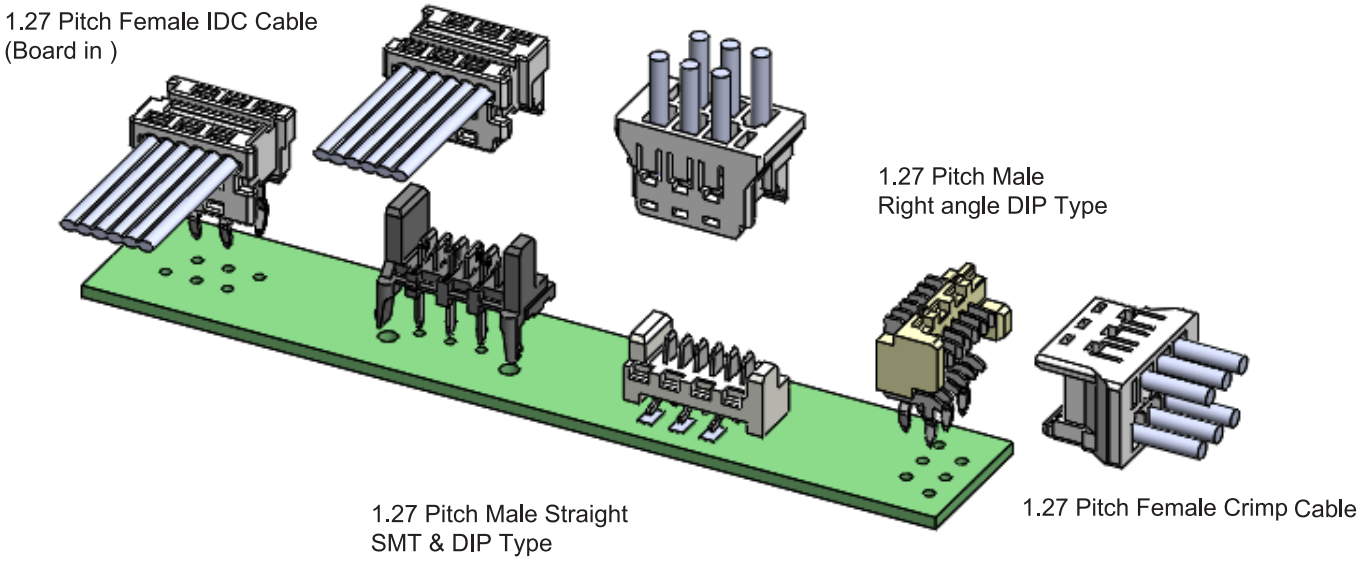
CU39	USB2.0 Type C Female Connectors	417
M. RF / Microwave Coaxial Connectors		
CRA	Micro Coaxial Connectors & Cable	420

Connection Combination of IDC Connectors





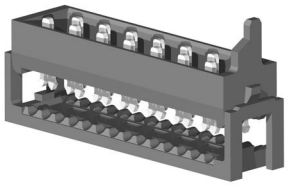
1.27 Pitch Female IDC Cable

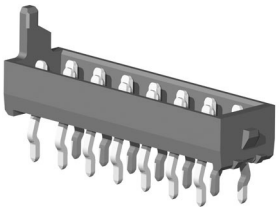


CA30 Series 1.27mm(.050") Male IDC & DIP Type Connectors

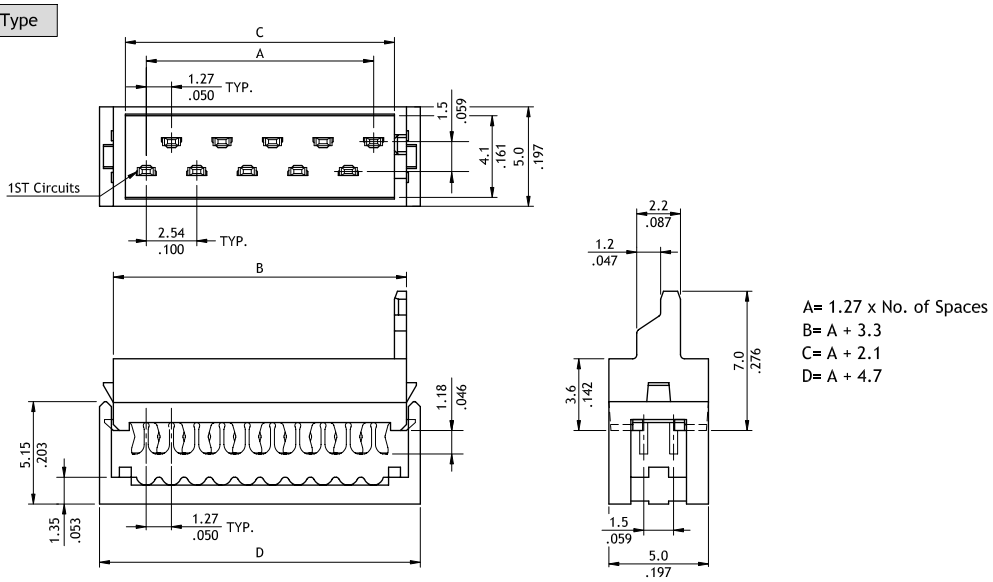
◎ Can be used with CW03 1.27mm(.050") center spacing flat ribbon cable.
◎ Mate with CA32 connector

RoHS Compliant



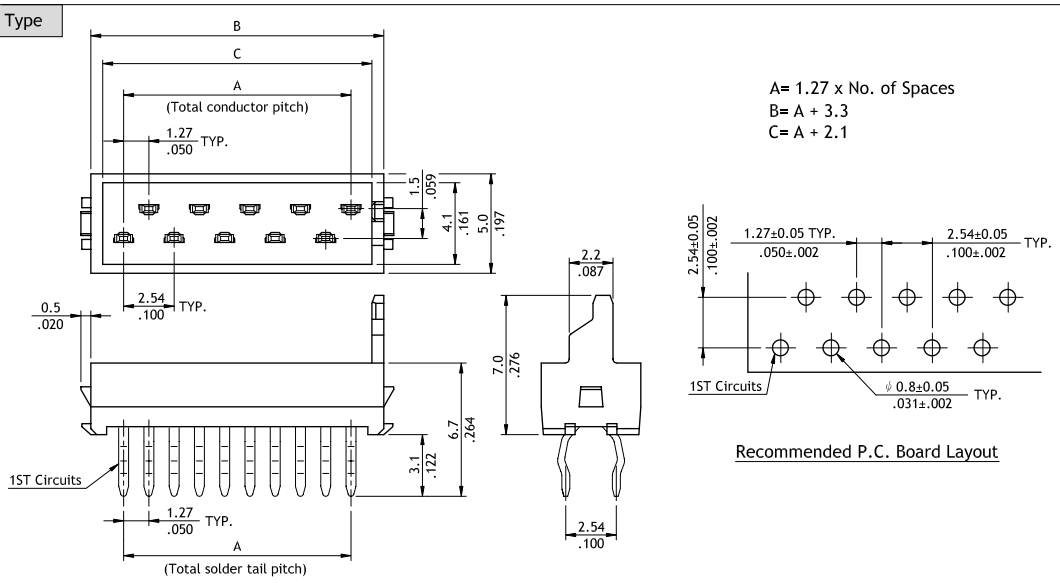


IDC Type



A= 1.27 x No. of Spaces
B= A + 3.3
C= A + 2.1
D= A + 4.7

DIP Type



A= 1.27 x No. of Spaces
B= A + 3.3
C= A + 2.1

Recommended P.C. Board Layout

Ordering Code

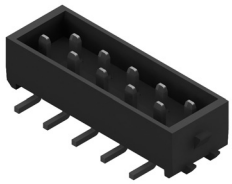
①	②	③	④	⑤	⑥	⑦
CA30	26	P	1	3	0	0

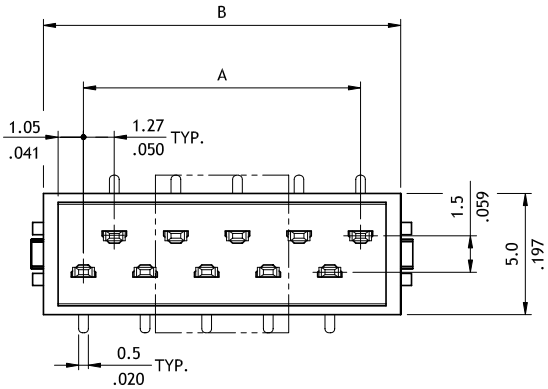
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type: P = Plug
④ Plating Code:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Color : 3 = Red
⑥ Type : 0 = DIP Type
I = IDC Type
⑦ Other Options:
0 = Standard
*Special options consult manufacturer

CA30 Series 1.27mm(.050") Male SMT Type Connectors

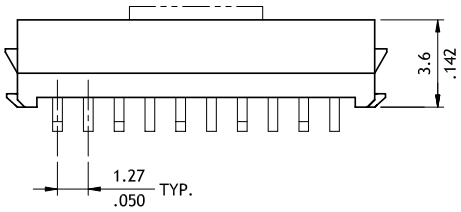
◎ Mate with CA32 connector
◎ High temperature plastic UL 94V-0, color red

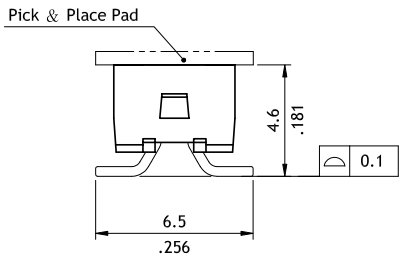
RoHS Compliant

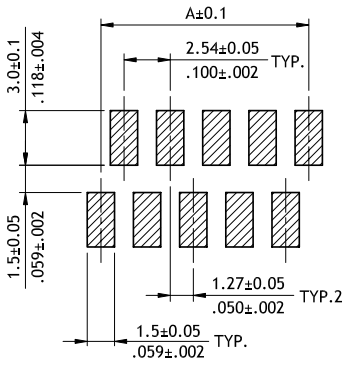




A= 1.27 x No. of Spaces
B= A + 3.3







Solder Pad Pattern

Ordering Code

①	②	③	④	⑤	⑥
CA30	26	M	1	3	R0

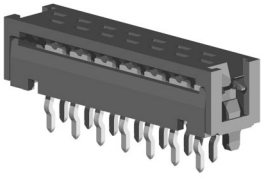
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type: M = SMT
④ Plating Code:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested

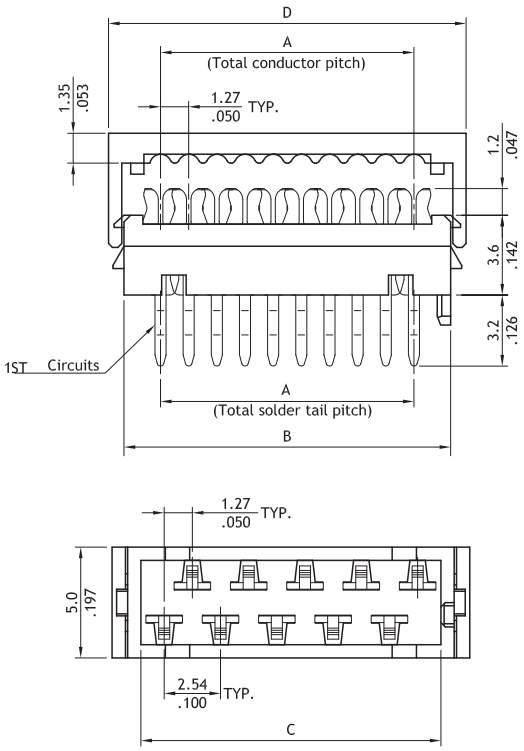
⑤ Color: 3 = Red
⑥ Packing Options:
R0 = With PAD ;Tape & Reel Packing
RN = Without PAD ;Tape & Reel Packing
T0 = Without PAD ;Tube Packing
*Special options consult manufacturer

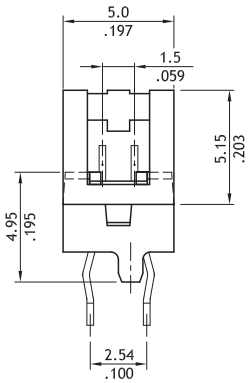
CA31 Series 1.27mm(.050") Flat Cable - IDC DIP Type Connectors

◎ Can be used with CW03 1.27mm(.050") center spacing flat ribbon cable.

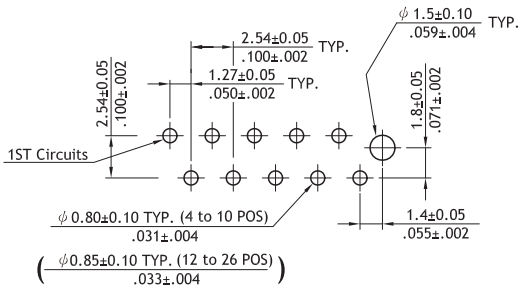
RoHS Compliant







A= 1.27 x No. of Spaces
B= A + 3.3
C= A + 2.1
D= A + 4.7



Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CA31	26	P	1	3	00

① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type:P=Plug
④ Plating Code:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Color: 3 = Red
⑥ Other Options:
00=Standard
*Special options consult manufacturer

CA30 & CA31 Series Flat Cable Assemblies

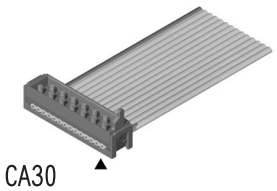
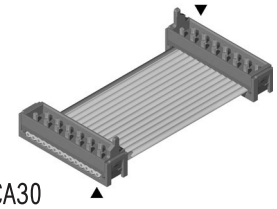
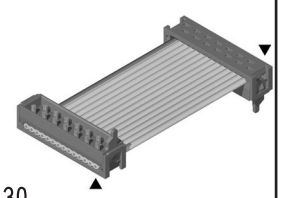
Compact and low profile IDC connector with 1.27mm pitch flat cable assembly combinations.

With full range connectors produced in house, Cvilux is fully equipped to provide cost-effective and high quality flat cble assemblies.

Furthermore, integrated production and assembly process can save your time to market and increase more profit.

Please check below sketch for all kinds of options and advice more details
(length, stripped,red line positions, polarizing direction....etc.) we will follow up your request accordingly.

Consult CviLux sales person if customized assembly required.

TYPE A	TYPE B	TYPE C	TYPE D
			
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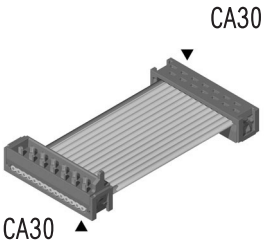	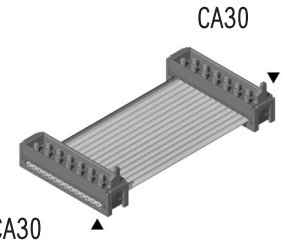	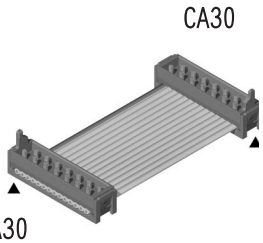	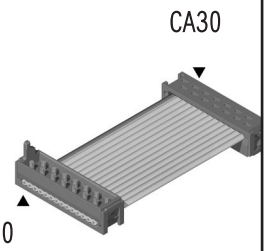
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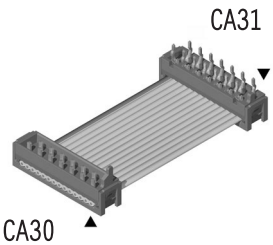
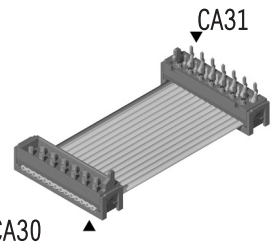
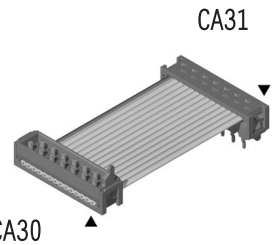
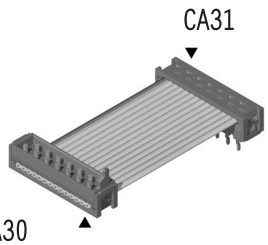
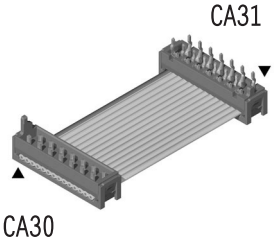
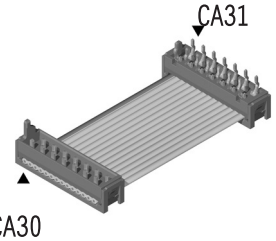
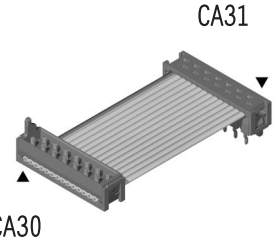
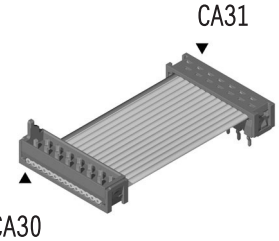
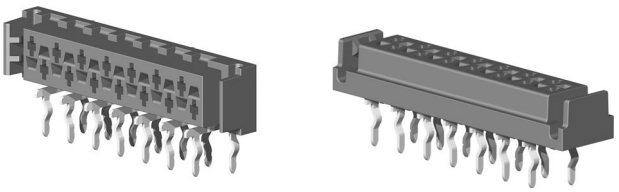
			
TYPE P	**TYPE Q**	**TYPE R**	**TYPE S**
			

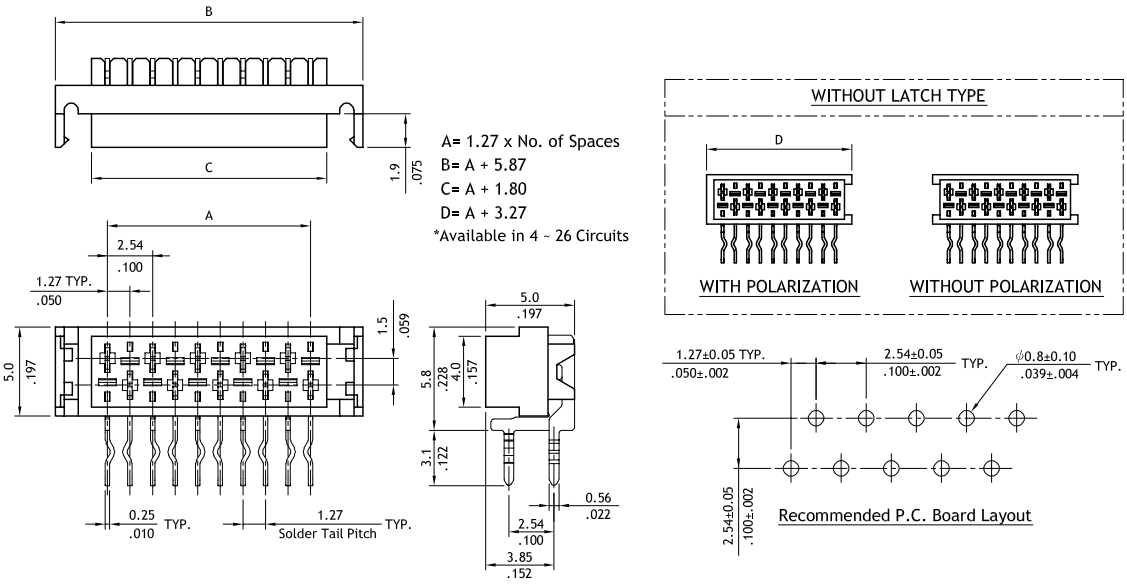
CA32 Series 1.27mm(.050") Female DIP Type Connectors

◎ Mate with CA30 connector

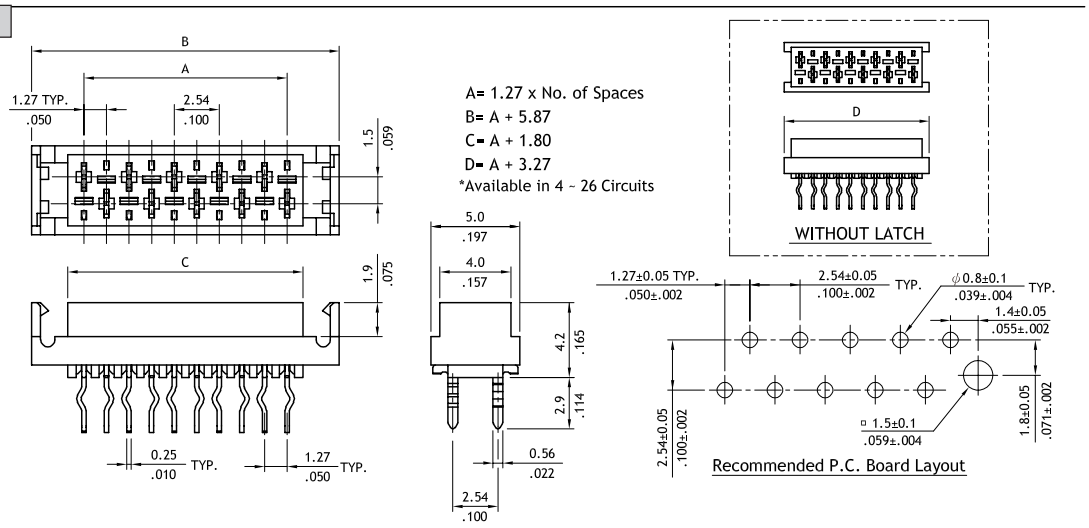
RoHS Compliant



P/N	CA32**H**00



P/N	CA32**V**00



Ordering Code

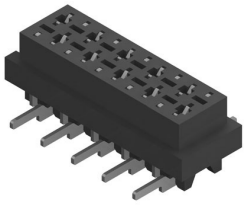
①	②	③	④	⑤	⑥
CA32	26	H	1	3	00

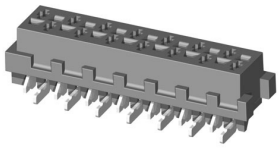
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type: V = Straight
H = Right Angle
④ Plating Code:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Color: 3 = Red
⑥ Right Angle Type:
00 = Without Latch & With Polarization
S0 = Without Latch & Without Polarization
0L = With Latch
Straight Type:
00 = Without Latch
0L = With Latch
*Special options consult manufacturer

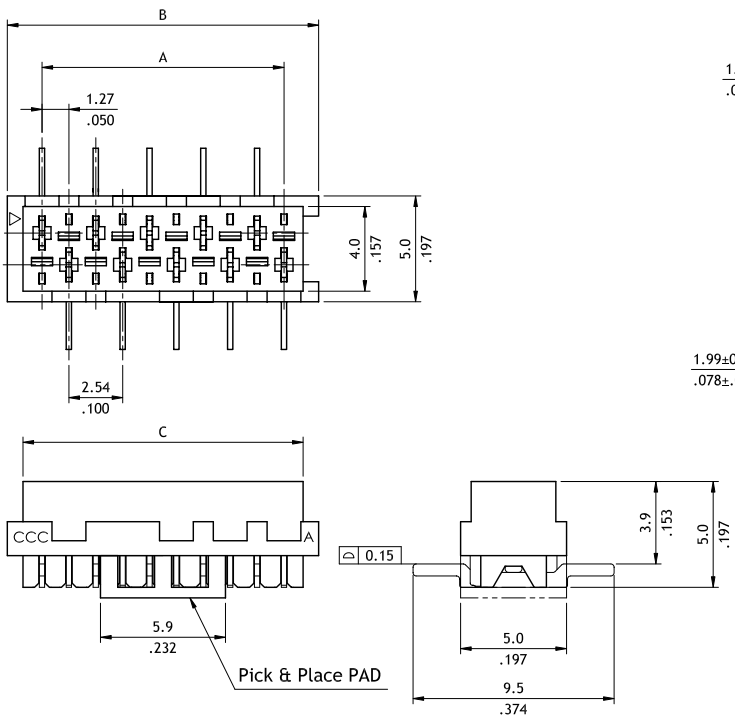
CA32 Series 1.27mm(.050") Female SMT Type Connectors

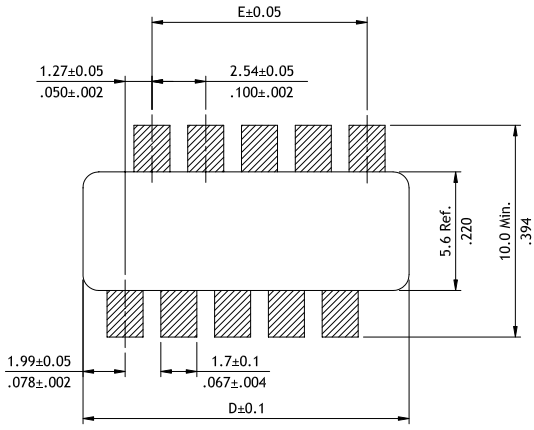
◎ Mate with CA30 connector
◎ High temperature plastic UL 94V-0, color red

RoHS Compliant









Recommended P.C. Board Layout

A= 1.27 x No. of Spaces
B= A + 3.28
C= A + 1.80
D= A + 3.97
E= A - 1.27
*Available in 4 ~ 26 Circuits

Ordering Code

①	②	③	④	⑤	⑥	⑦
CA32	26	M	1	3	0	A

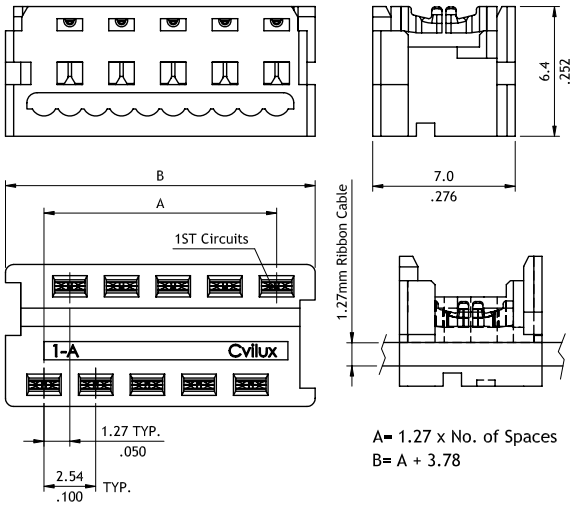
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type: M = SMT Type
④ Plating Code:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Color: 3 = Red
⑥ Pad Options:
0 = With Pad (Reel Packing)
⑦ Other Options:
A = Middle mount type
0 = Top mount type (Without Latch)
L = Top mount type (With Latch)
*Special options consult manufacturer

CA33 Series 1.27mm(.050") IDC & Crimping Type Connectors

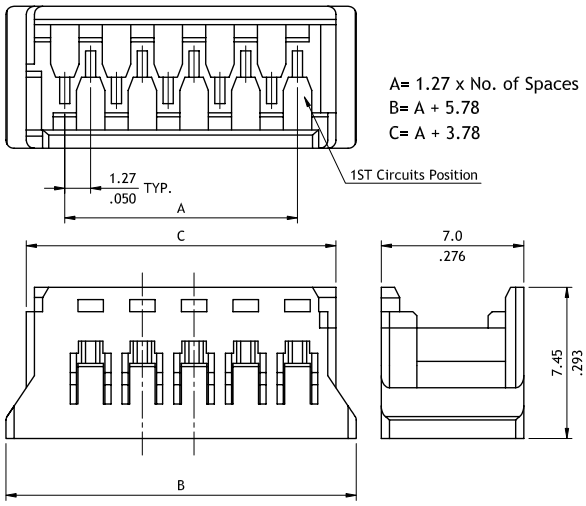
- ◎ Can be used CW03 1.27mm(.050") Center Spacing flat ribbon cable
- ◎ Mate with CA35 Connectors
- ◎ Can be used CA33 crimp clip terminal
- ◎ Insulator: Glass Filled Polyester UL 94V-0, Color Nature

RoHS Compliant

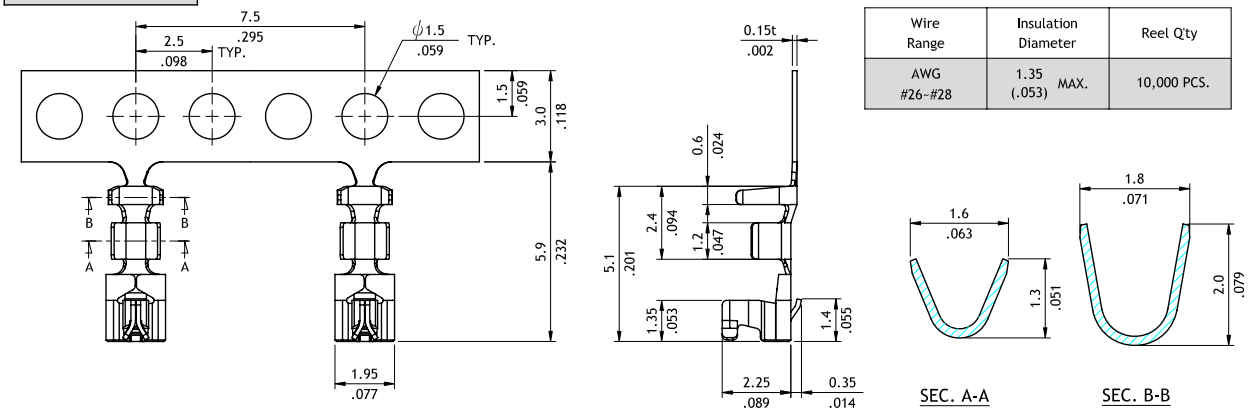
IDC Type



Crimp Type Housing



Crimp Type Terminal



Wire Range	Insulation Diameter	Reel Q'ty
AWG #26~#28	1.35 (.053) MAX.	10,000 PCS.

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CA33	26	P	1	0	I	0	- NH

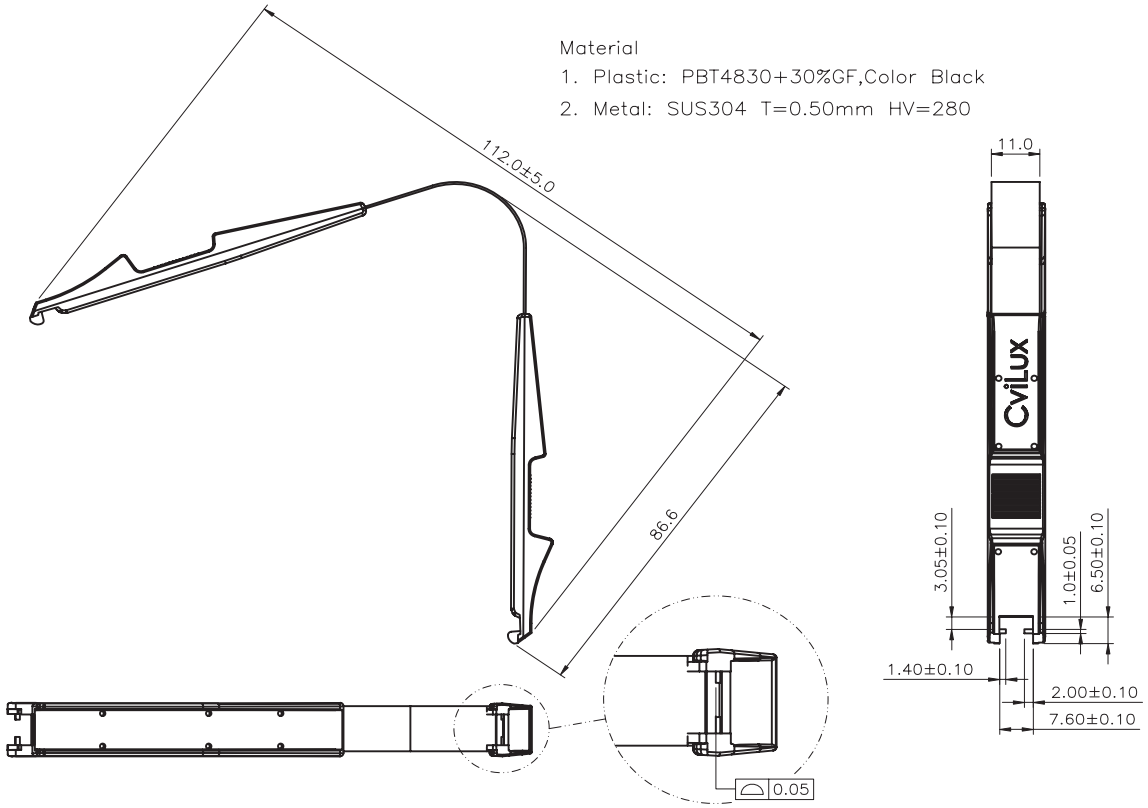
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type: P = Pin Header
④ Plating Code: 1 = Tin over Nickel
⑤ Color: 0 = Nature
⑥ Type: I = IDC Type
⑦ Other Options: 0 = Standard (Tube Packing)
⑧ NH = Halogen-Free

①	②	③	④	⑤	⑥
CA33	26	S00	0	0	- NH

① Series No.
② No. of Circuits: 04 ~ 26
③ Type: S00 = Housing
④ Color: 0 = Nature
⑤ Other Options: 0 = Standard
⑥ NH = Halogen-Free

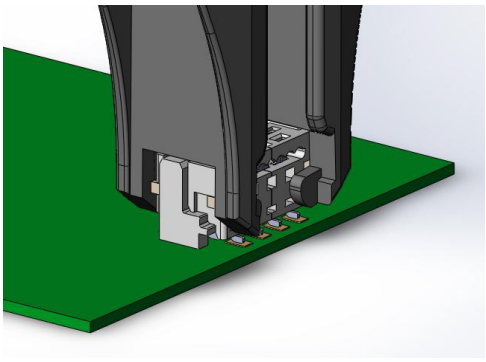
CM19A330000 Pull-off tongs for CA33

◎ Steel and plastic construction with molded prongs
◎ Long life spring steel handles
◎ Designed for field use
◎ This Extractor Tool is for the removal of CA33 series



To remove a connector from the assembly

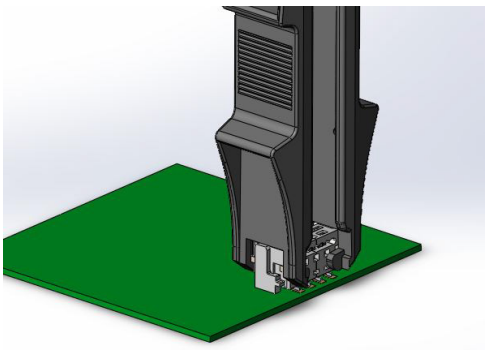
Please follow the steps below:



◎ Hold the tool between the thumb and forefinger.

◎ Push the tool together, the prongs are far enough apart to fit over the connector that is being extracted.

◎ Squeeze the prongs together until the locator fingers are in the slots on the end wall of the connector.

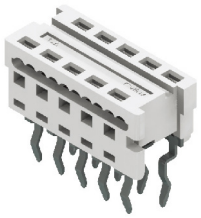


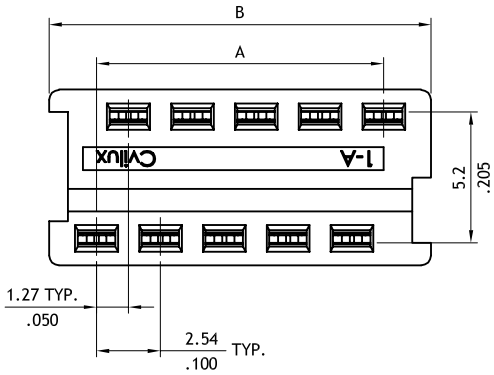
◎ While keeping the extractor tool engaged with the connector, pull the connector upright from the header softly.

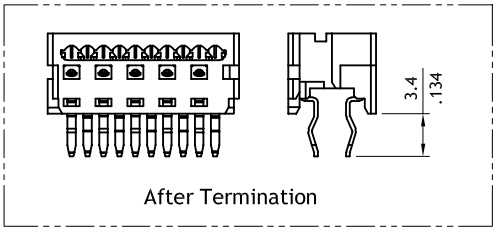
CA34 Series 1.27mm(.050") Flat Cable - IDC DIP Plugs

◎ Can be used CW03 1.27mm(.050") Ccenter Spacing flat ribbon cable
◎ Insulator:Glass Filled Polyester UL 94V-0, Color Nature

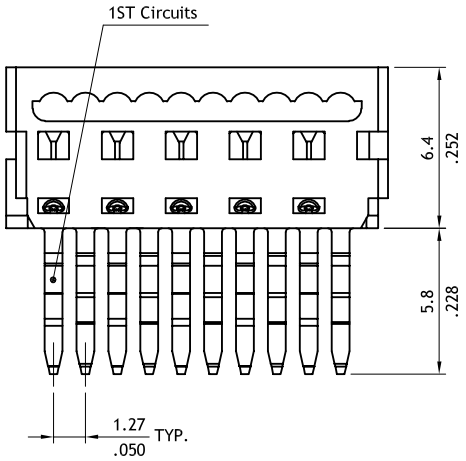
RoHS Compliant HF

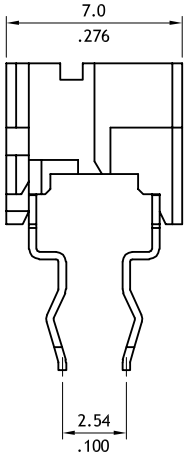


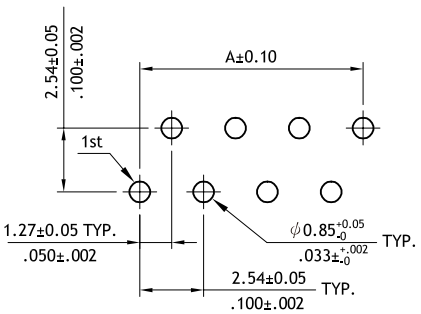




A= 1.27 x No. of Spaces
B= A + 3.78







Recommended
P.C. Board Layout

Ordering Code

①	②	③	④	⑤	⑥		⑦
CA34	26	P	1	0	00	-	NH

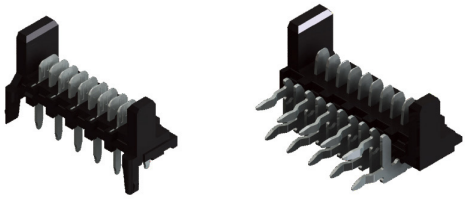
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type:
P = Pin Header

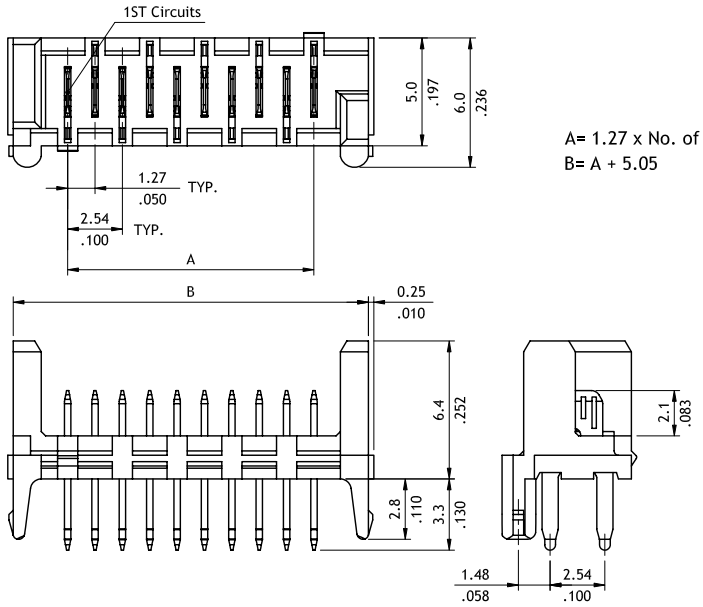
④ Plating Code:
1 = Matte Tin over Nickel
⑤ Color: 0 = Nature
⑥ Other Options: 00 = Standard (Tube Packing)
⑦ NH = For Lead Free Process
and Halogen-Free

CA35 Series 1.27mm(.050") Male DIP Type Connectors

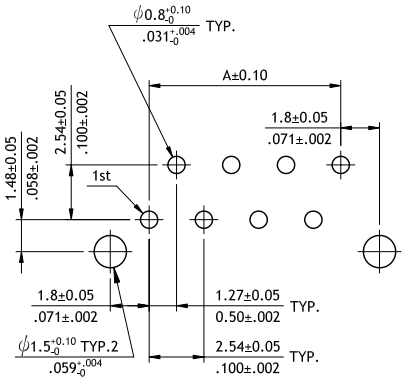
◎ Mate with CA33 connectors
◎ Insulator: High temperature plastic UL 94V-0, Color Black

RoHS Compliant

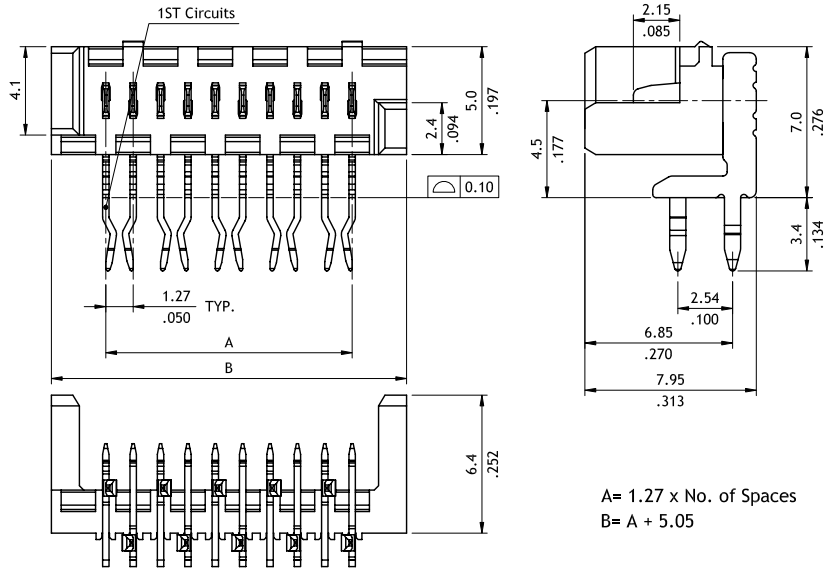




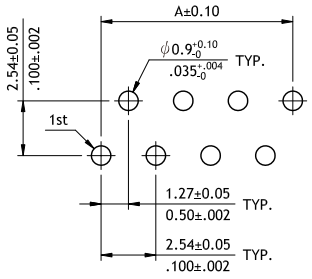
A= 1.27 x No. of Spaces
B= A + 5.05



Recommended P.C. Board Layout



A= 1.27 x No. of Spaces
B= A + 5.05



Recommended P.C. Board Layout

Ordering Code

①	②	③	④	⑤	⑥	⑦
CA35	26	V	1	1	00	- NH

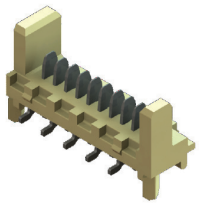
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type:
V = Straight
H = Right Angle

④ Plating Code:
1 = Matte Tin over Nickel
⑤ Color: 1 = Black
⑥ Other Options: 00 = Standard
⑦ NH = For Lead Free Process and Halogen-Free

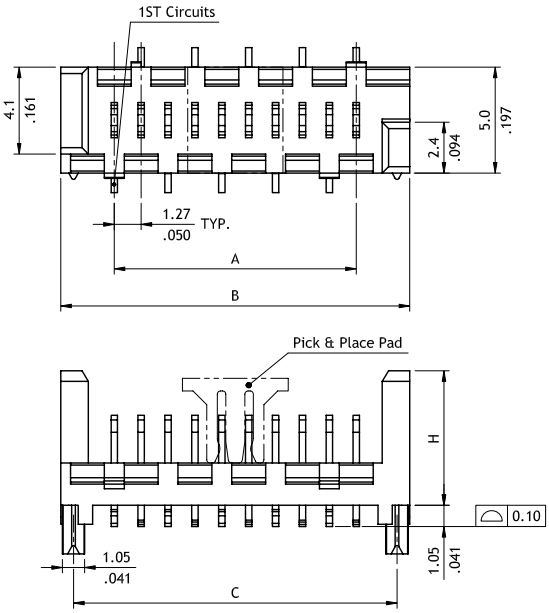
CA35 Series 1.27mm(.050") Male SMT Type Connectors

◎ Mate with CA33 connectors
◎ Insulator:High temperature plastic UL 94V-0, Nature

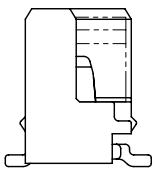
RoHS Compliant

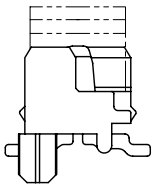


P/N	CA35**M10RP-NH

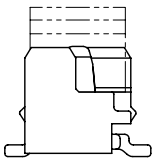


P/N	CA35**M10RE-NH	P/N	CA35**M10RD-NH

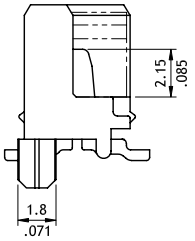




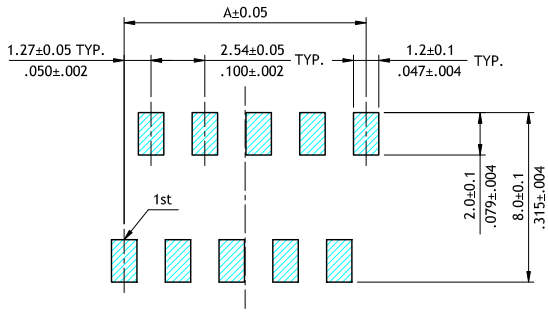
P/N	CA35**M10RG-NH



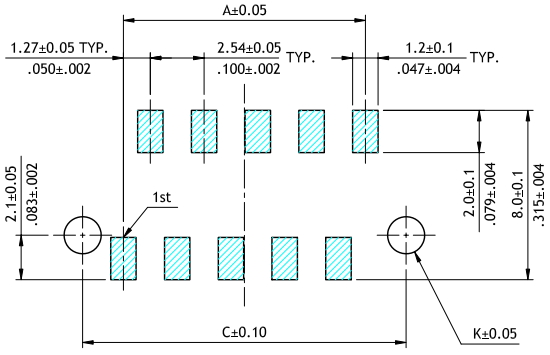
A= 1.27 x No. of Spaces
B= A + 5.05
C= A + 3.85



Transition Fit With P.C.B Pegs	K= 1.75
Clearance Fit With P.C.B Pegs	K= 2.0



P.C.B Layout
Headers Without Plastic Pegs



P.C.B Layout
Headers With Plastic Pegs

Ordering Code

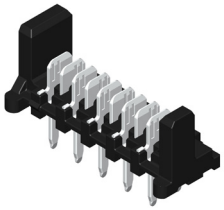
①	②	③	④	⑤	⑥	⑦		⑧
CA35	26	M	1	0	R	P	-	NH

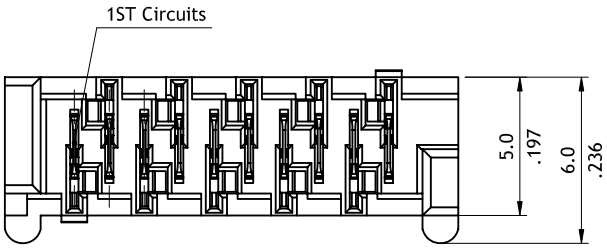
① Series No.
② No. of Circuits: 04 ~ 26
③ Contact Type:
M = SMT Type
④ Plating Code:
1 = Matte Tin over Nickel
⑤ Color: 0 = Nature
⑥ Packing Options:
R = Tape & Reel
(With pick & place pad)
T = Tube
0 = Bags
⑦ Other Options:
G = Without positioning pegs, H = 4.10mm
D = With positioning pegs, H = 4.10mm
E = Without positioning pegs, H = 6.40mm
P = With positioning pegs, H = 6.40mm
⑧ NH = For Lead Free IR Process
and Halogen-Free

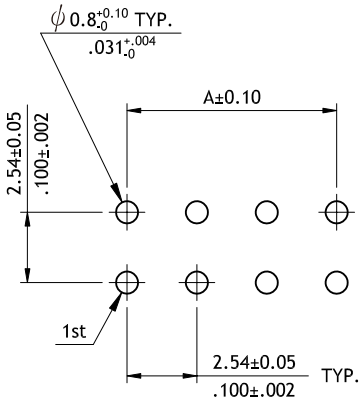
CA35 Series 1.27mm(.050") Female DIP Type Connectors

◎ Mate with CA33 connectors
◎ Insulator:High temperature plastic UL 94V-0, Nature

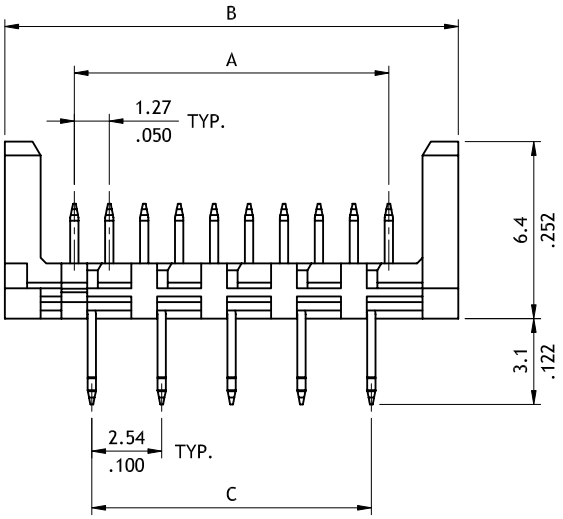
RoHS Compliant

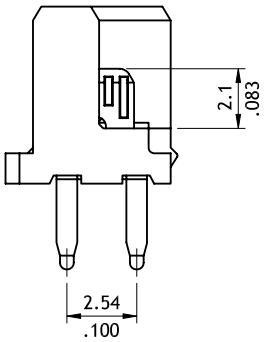






Recommended P.C. Board Layout





A= 1.27 x No. of Spaces
B= A + 5.05
C= 2.54 x No. of Spaces

Ordering Code

①	②	③	④	⑤	⑥	⑦
CA35	26	V	1	1	0B	- NH

① Series No.
② No. of Circuits:
04 ~ 26
③ Contact Type:
V = Straight Type
④ Plating Code:
1 = Matte Tin over Nickel
⑤ Color: 1 = Black
⑥ Options: 0B = Type B
⑦ NH = For Lead Free Process and Halogen-Free

CW03 Series 1.27mm(.050") Flat Ribbon Cable

UL GRADE:

UL STYLE: 2651
Rate temperature: 105 degree celsius
Rate voltage: 300V
Flame Test: VW -1

CONDUCTOR:Standard

AWG size: 28 AWG
Number of strands in each conductor: 7/0.127mm

INSULATION:

Material of insulation: PVC, Color Gray

PHYSICAL PROPERTIES:

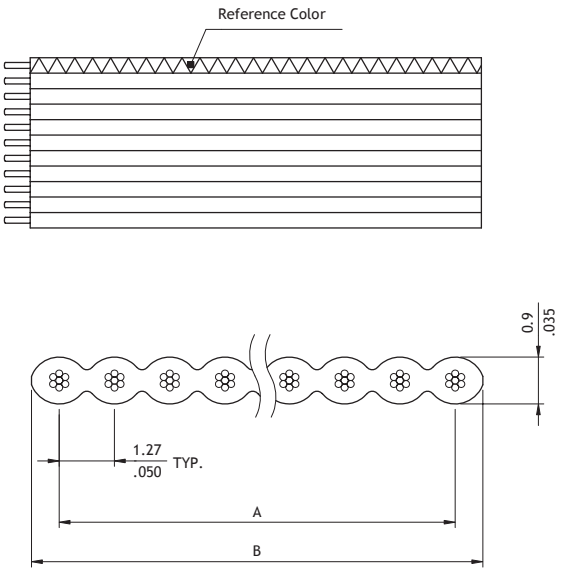
after 7 days air oven at 136 degree celsius
Average tensile strength: 1500 lbs/inch
Percent of original: 70% at least
Average elongation: 200%
Percent of original: 65% at least

ELECTRICAL CHARACTERISTICS:

Spark test: 2500V
Dielectric strength test: Min. 2KV in 1 minute
Conductor resistance: Max. 237 ohm/km
Insulation resistance: Min. 1G ohm/m
Capacity: 45 PF/m
Inductance: 1.45 uH/m
Impedance: 100 ohm
Propagation Delay Time: 4.2 ns/m

RoHS Compliant

P/N : CW03**D900A

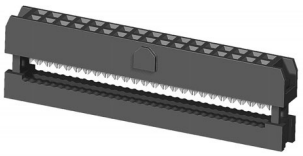


Circuits	Dimension	
	A	B
8	8.89(.350)	10.16(.400)
9	10.16(.400)	11.43(.450)
10	11.43(.450)	12.70(.500)
12	13.97(.550)	15.24(.600)
14	16.51(.650)	17.78(.700)
15	17.78(.700)	19.05(.750)
16	19.05(.750)	20.32(.800)
17	20.32(.800)	21.59(.085)
18	21.59(.085)	22.86(.900)
20	24.13(.950)	25.40(1.000)
24	29.21(1.150)	30.48(1.200)
25	30.48(1.200)	31.75(1.250)
26	31.75(1.250)	33.02(1.300)
28	34.29(1.350)	35.56(1.400)
30	36.83(1.450)	38.10(1.500)
32	39.37(1.550)	40.64(1.600)
34	41.91(1.650)	43.18(1.700)
36	44.45(1.750)	45.72(1.800)
38	46.99(1.850)	48.26(1.900)
40	49.53(1.950)	50.80(2.000)
50	62.23(2.540)	63.50(2.500)
60	74.93(2.950)	76.20(3.000)
64	80.01(3.150)	81.28(3.200)

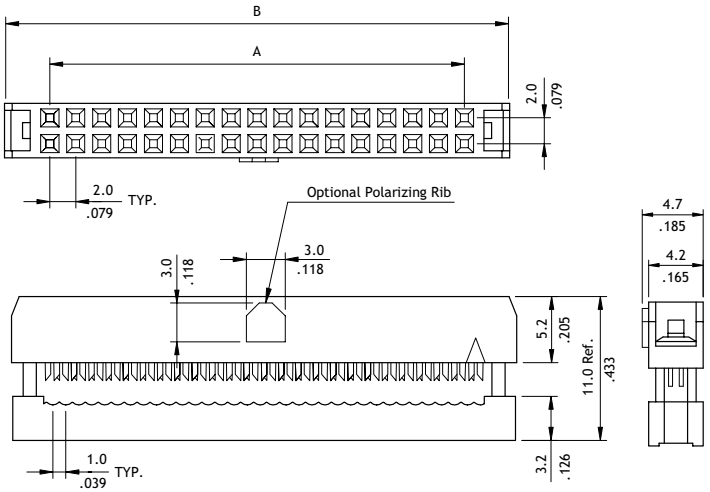
CA11 Series 2.00mm(.079") Center Spacing Flat Cable - IDC Sockets

◎ Mate with CH71, CH75 and CH74 headers
◎ Can be used with CW02 1.00mm(.039") Center Spacing flat ribbon cable

RoHS Compliant

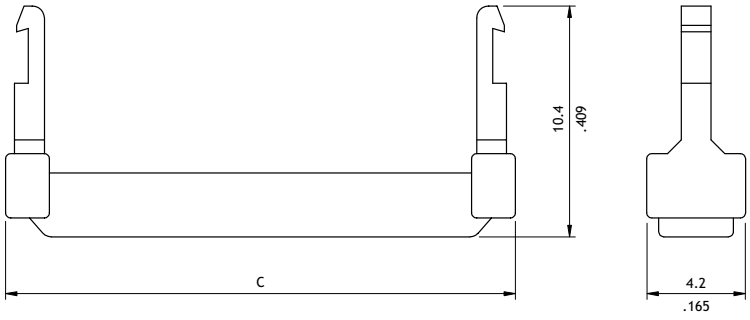


P/N CA11**SA1*0



Circuits	Dimension		
	A	B	C
6	4.0(.157)	11.2(.441)	11.2(.441)
8	6.0(.236)	13.2(.520)	13.2(.520)
10	8.0(.315)	15.2(.598)	15.2(.598)
12	10.0(.394)	17.2(.677)	17.2(.677)
14	12.0(.472)	19.2(.756)	19.2(.756)
16	14.0(.551)	21.2(.835)	21.2(.835)
20	18.0(.709)	25.2(.992)	25.2(.992)
22	20.0(.787)	27.2(1.071)	27.2(1.071)
24	22.0(.866)	29.2(1.150)	29.2(1.150)
26	24.0(.945)	31.2(1.228)	31.2(1.228)
30	28.0(1.102)	35.2(1.386)	35.2(1.386)
32	30.0(1.181)	37.2(1.465)	37.2(1.465)
34	32.0(1.260)	39.2(1.543)	39.2(1.543)
36	34.0(1.339)	41.2(1.622)	41.2(1.622)
40	38.0(1.496)	45.2(1.780)	45.2(1.780)
44	42.0(1.654)	49.2(1.937)	49.2(1.937)
50	48.0(1.890)	55.2(2.173)	55.2(2.173)
60	58.0(2.283)	65.2(2.567)	65.2(2.567)
64	62.0(2.441)	69.2(2.724)	69.2(2.724)

P/N CA11**SR100



Strain Relief

Ordering Code

① ② ③ ④ ⑤ ⑥

CA11 64 S A 1 00

① Series No.
② No. of Circuits: See above table
③ Contact Type: S = Socket
④ Plating Code : A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
⑤ Color: 1 = Black
⑥ Other Options : 00 = With polarizing rib (Standard)
A0 = Without polarizing rib
*Special options consult manufacturer

① ② ③ ④

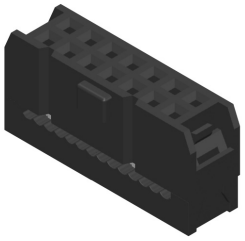
CA11 64 SR 100

① Series No.
② Contacts: See above table
③ SR = Strain-Relief
④ Color: 100 = Black

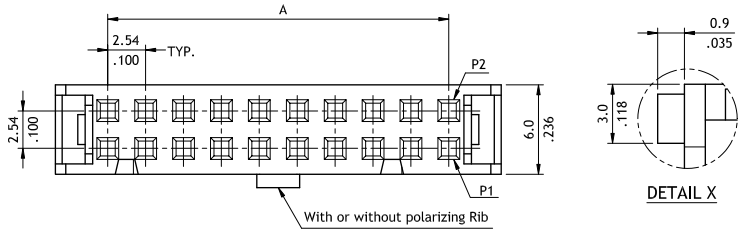
CA21 Series 2.54mm(.100") Center Spacing Flat Cable - IDC Sockets

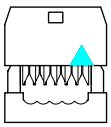
◎ Mate with CH81, CH84, CH87 and CH88 Headers
◎ Can be used with CW03 1.27mm(.050") Center Spacing flat ribbon cable

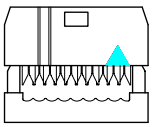
RoHS Compliant

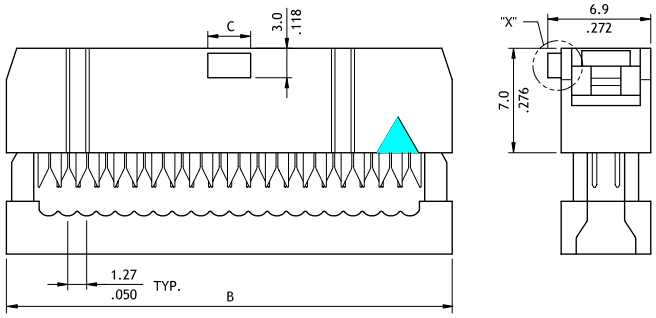


P/N CA21**SA1*0



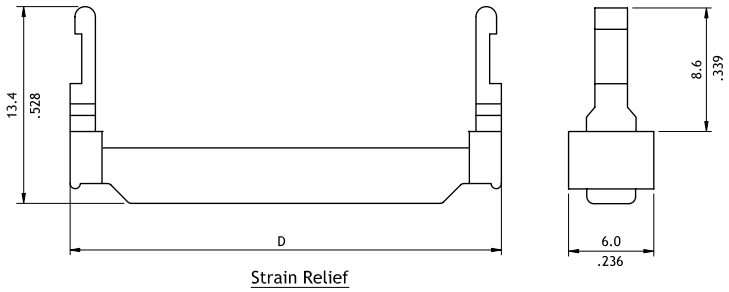

6,8 Circuits


10,12 Circuits



Circuits	Dimension			
	A	B	C	D
6	5.08(.200)	12.30(.484)	1.80(.071)	12.30(.484)
8	7.62(.300)	14.84(.584)	1.80(.071)	14.84(.584)
10	10.16(.400)	17.38(.684)	3.80(.150)	17.38(.684)
12	12.70(.500)	19.92(.784)	3.80(.150)	19.92(.784)
14	15.24(.600)	22.46(.884)	3.80(.150)	22.46(.884)
16	17.78(.700)	25.00(.984)	3.80(.150)	25.00(.984)
20	22.86(.900)	30.08(1.184)	3.80(.150)	30.08(1.184)
24	27.94(1.100)	35.16(1.384)	3.80(.150)	35.16(1.384)
26	30.48(1.200)	37.70(1.484)	3.80(.150)	37.70(1.484)
30	35.56(1.400)	42.78(1.684)	3.80(.150)	42.78(1.684)
34	40.64(1.600)	47.86(1.884)	3.80(.150)	47.86(1.884)
36	43.18(1.700)	50.40(1.984)	3.80(.150)	50.40(1.984)
40	48.26(1.900)	55.48(2.184)	3.80(.150)	55.48(2.184)
44	53.34(2.100)	60.56(2.384)	3.80(.150)	60.56(2.384)
50	60.96(2.400)	68.18(2.684)	3.80(.150)	68.18(2.684)

P/N CA21**SR100



Strain Relief

Ordering Code

① ② ③ ④ ⑤ ⑥

CA 2 1 | 5 0 | S | A | 1 | 0 0

① Series No.
② No. of Circuits: See above table
③ Contact Type: S = Socket
④ Plating Code : A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
⑤ Color: 1 = Black
⑥ Other Options: 00 = With polarizing rib(Standard)
A0 = Without polarizing rib
*Special options consult manufacturer

① ② ③ ④

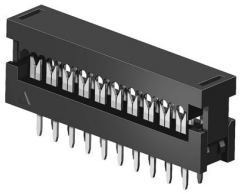
CA 2 1 | 5 0 | S R | 1 0 0

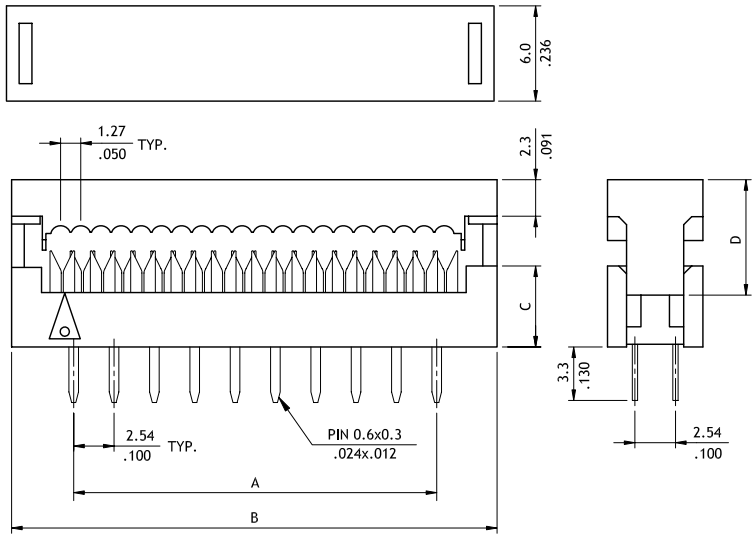
① Series No.
② Contacts: See above table
③ SR = Strain-Relief
④ Color: 100 = Black

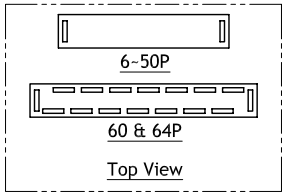
CA23 Series 2.54mm(.100") Center Spacing Flat Cable - IDC DIP Plugs

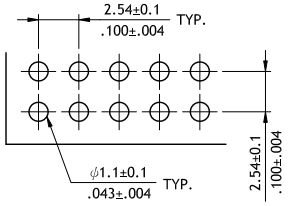
◎ Can be used with CW03 1.27mm(.050) Center Spacing flat ribbon cable

RoHS Compliant









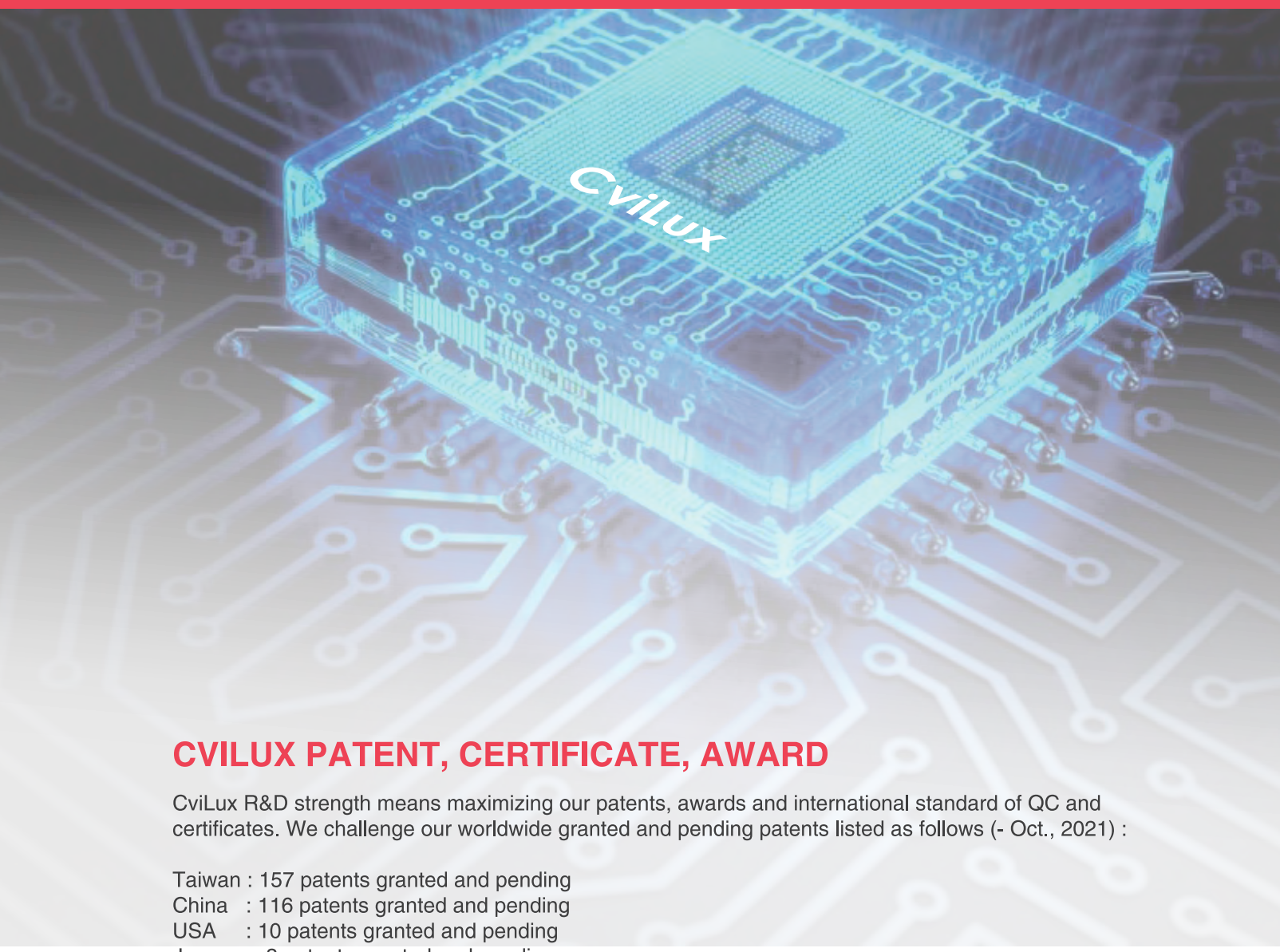
Recommended P.C. Borad Layout

Circuits	Dimension			
	A	B	C	D
6	5.08(.200)	12.98(.511)	5.00(.197)	7.23(.284)
8	7.62(.300)	15.52(.611)	5.00(.197)	7.23(.284)
10	10.16(.400)	18.06(.711)	5.00(.197)	7.23(.284)
12	12.70(.500)	20.60(.811)	5.00(.197)	7.23(.284)
14	15.24(.600)	23.14(.911)	5.00(.197)	7.23(.284)
16	17.78(.700)	25.68(1.011)	5.00(.197)	7.23(.284)
18	20.32(.800)	28.22(1.111)	5.00(.197)	7.23(.284)
20	22.86(.900)	30.76(1.211)	5.00(.197)	7.23(.284)
24	27.94(1.100)	35.84(1.411)	5.00(.197)	7.23(.284)
26	30.48(1.200)	38.38(1.511)	5.00(.197)	7.23(.284)
28	33.02(1.300)	40.92(1.611)	5.00(.197)	7.23(.284)
30	35.56(1.400)	43.46(1.711)	5.00(.197)	7.23(.284)
34	40.64(1.600)	48.54(1.911)	5.00(.197)	7.23(.284)
40	48.26(1.900)	56.16(2.211)	5.00(.197)	7.23(.284)
50	60.96(2.400)	68.86(2.711)	5.00(.197)	7.23(.284)
60	73.66(2.900)	81.65(3.215)	4.00(.157)	6.23(.245)
64	78.74(3.100)	86.73(3.415)	4.00(.157)	6.23(.245)

Ordering Code

①	②	③	④	⑤	⑥
CA23	64	P	A	1	00

① Series No.
② No. of Circuits: See above table
③ Contact Type=P= Plug
④ Plating Code:
A=Selective Gold flash over Nickel
*Optional plating available but MOQ requested
⑤ Color:1 = Black
⑥ Other Options:
00 = Standard
*Special options consult manufacturer



CVILUX PATENT, CERTIFICATE, AWARD

CviLux R&D strength means maximizing our patents, awards and international standard of QC and certificates. We challenge our worldwide granted and pending patents listed as follows (- Oct., 2021) :

Taiwan : 157 patents granted and pending
China : 116 patents granted and pending
USA : 10 patents granted and pending
Japan : 3 patents granted and pending

CviLux Technology (Suzhou) Co., Ltd.

Anhui CviLux Technology Co., Ltd.

CviLux Lao Co., Ltd.

CviLux Group

Marketing Site

CviLux Corporation

CviLux Technology (Shenzhen) Corporation

CviLux USA Corporation

CviLux Opro9 Europe B.V.

CviLux SDN BHD

CviLux JAPAN Office

CviLux KOREA Corporation

CviLux QINGDAO Office

CviLux XIAMEN Office

Allsor Technology Corporation

Allsor Electronics Co., Ltd.

CviCloud Corporation

CviCloud (SZ) Limited

Factory Site

Taiwan
CviLux Corporation

South China
CviLux Electronics (Dongguan)Co., Ltd.
Dongguan Qunhan Electronics Co., Ltd.

East China
CviLux Technology (Suzhou) Co., Ltd.

West China
CviLux Technology (Chongqing) Co., Ltd.

Central China
Anhui CviLux Technology Co., Ltd.

Lao
CviLux Lao Co., Ltd.

Apple MFi Manufacturer

IATF 16949 | ISO 9001 | ISO 14001 | QC080000 | OHSAS18001 | ISO14064

Taiwan | South China (Dongguan) | South China (Qunhan) | East China | West China | Central China | Lao