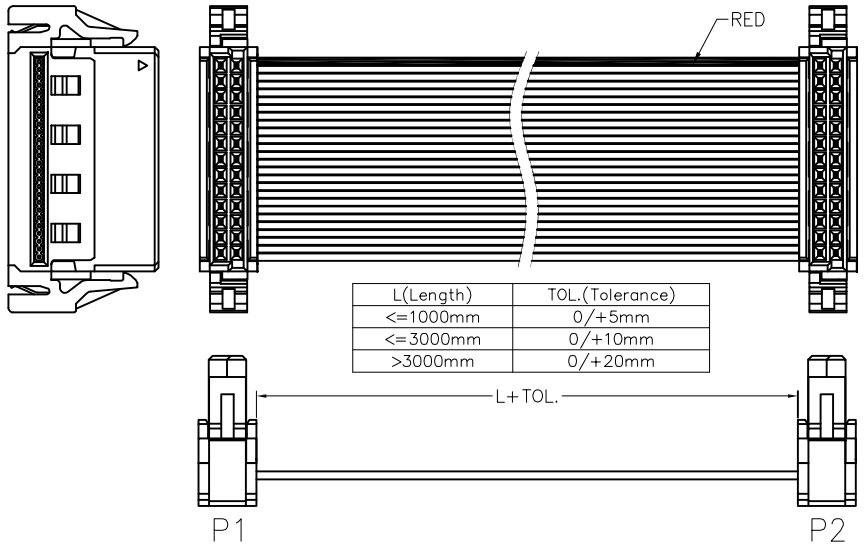
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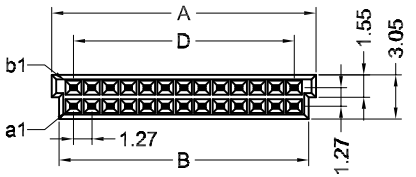
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CUSTOM CABLE ASSEMBLIES ARE NON-CANCELLABLE / NON-RETURNABLE

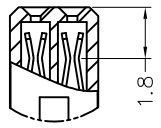
Rev	AWO #	Description	Date	Appr
-		RELEASED	2/11/20	
A		UPDATE DRAWING	3/3/26	WY/RC
B		UPDATE SPEC.	5/20/26	WY/RC
C		UPDATE PAGE 2	7/31/26	WY/RC

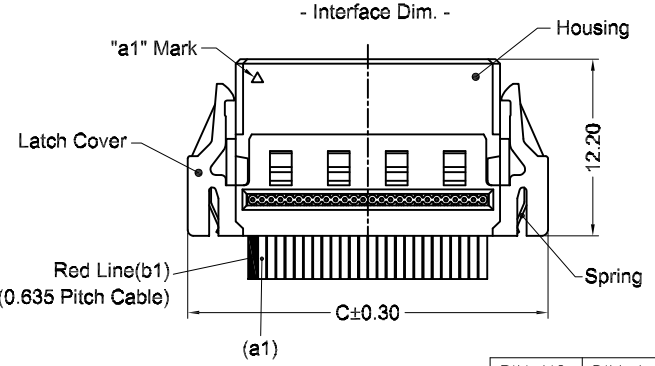


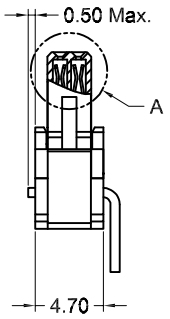
L(Length)	TOL.(Tolerance)
<=1000mm	0/+5mm
<=3000mm	0/+10mm
>3000mm	0/+20mm



- Interface Dim. -







PIN NO.	DIM A	DIM B	DIM C	DIM D
12	9.35	8.35	16.20	6.35
16	11.89	10.89	18.74	8.89
20	14.43	13.43	21.28	11.43
24	16.97	15.97	23.82	13.97
26	18.24	17.24	25.09	15.24
30	20.78	19.78	27.63	17.78
32	22.05	21.05	28.90	19.05
40	27.13	26.13	33.98	24.13
50	33.48	32.48	40.33	30.48
68	44.91	43.91	51.76	41.91
80	52.53	51.53	59.38	49.53

△C

SPECIFICATIONS:

Connector:
P1&P2 = 1.27 Pitch IDC Female Connector, (P/N: ESMC Series)
Housing: (LCP)Hi-Temp Thermoplastic, rated UL 94V-0
Latch Cover: PA66, rated UL 94V-0
Contact: Copper Alloy, Selective Gold Flash Plated
Spring: Stainless

Cable:
30 AWG, 0.635 Pitch
Material: PVC or TPE (See P/N)
Outer Diameter: 0.66±0.1mm

Electrical:
Current rating: 0.5A per contact △B

Mechanical:
Mating Force: ≦ 0.8N (per-pin)
Separating Force: ≧ 0.1N (per-pin)
Mating Cycle: 500 cycles

Temperature Rating:
Operating temperature: -20°C to +105°C (PVC)
-40°C to +125°C (TPE)

Electrical Test:
All Assemblies must be 100% Tested for Shorts, Open, Continuity, and Physical Appearance.

Environmental:
Lead free, RoHS compliant

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM .X ± 0.35 .XX ± 0.20 .XXX ± 0.10 ANGLE ± 2°

DRAWN	LH	2/11/20
CHECKED	JC	2/11/20
APPROVED		

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ADAM TECH
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE: 1.27 PITCH IDC CONNECTOR DUAL ROW FEMALE CABLE ASSEMBLY

SIZE	PART NO.	REV.
X	CA-ESMC-F-F-XX-X-XXXX-X-C1	C

REF: S00242T | SCALE: NTS | SHEET 1 OF 2

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Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

APPROVED: _____

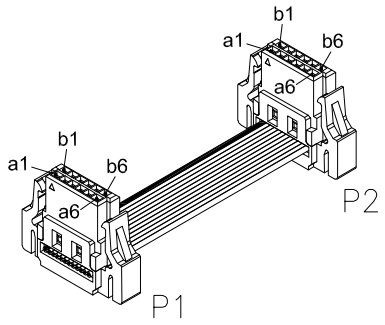
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P/N: CA-ESMC-F-F-XX-X-XXXX-X-C1

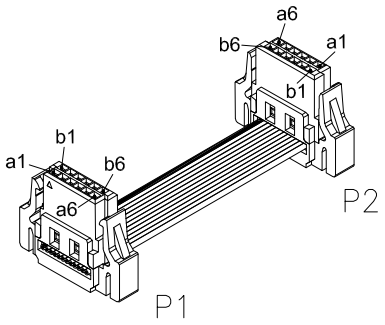
1=PVC
2=TPE

EX:
0150: 150mm
0300: 300mm
0500: 500mm
0530: 530mm
1000: 1000mm
Options
(by custom design)

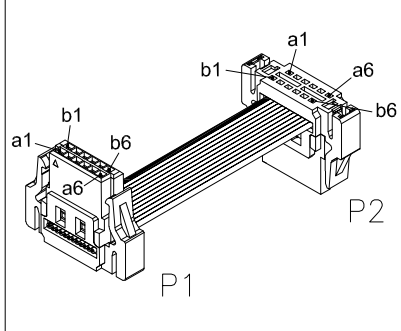
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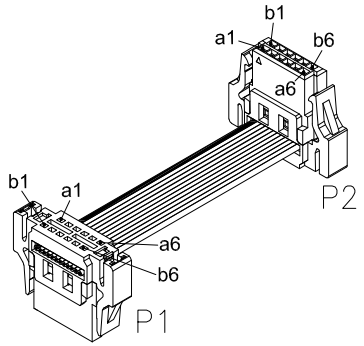
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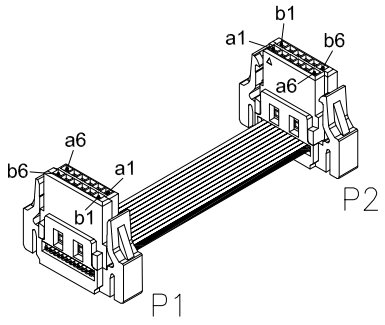
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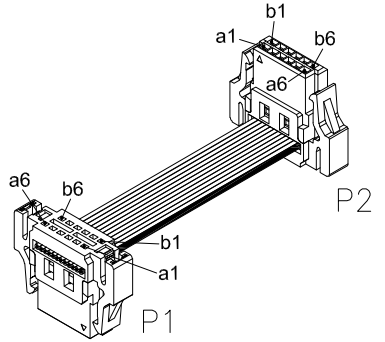
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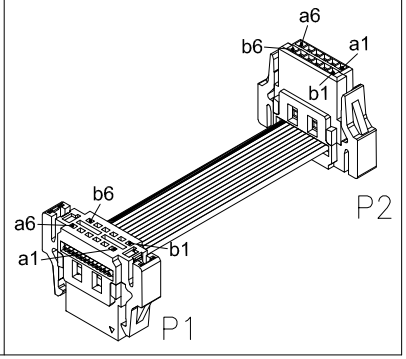
CA-ESMC-F-F-XX-E-XXXX-X-C1



CA-ESMC-F-F-XX-F-XXXX-X-C1



CA-ESMC-F-F-XX-G-XXXX-X-C1



C

P1 PIN ASSIGNMENT P2

P1		P2
b1	(Wire 1# RED)	a6
a1	(Wire 2#)	b6
b2	(Wire 3#)	a5
a2	(Wire 4#)	b5
b5	(Wire 9#)	a2
a5	(Wire10#)	b2
b6	(Wire 11#)	a1
a6	(Wire 12# END)	b1

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM .X ± 0.35, .XX ± 0.20, .XXX ± 0.10 ANGLE ± 2°

DRAWN	LH	2/11/20
CHECKED	JC	2/11/20
APPROVED		

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SIZE	PART NO.	REV.
X	CA-ESMC-F-F-XX-X-XXXX-X-C1	C

REF:	SCALE:	SHEET
S00242T	NTS	2 OF 2

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