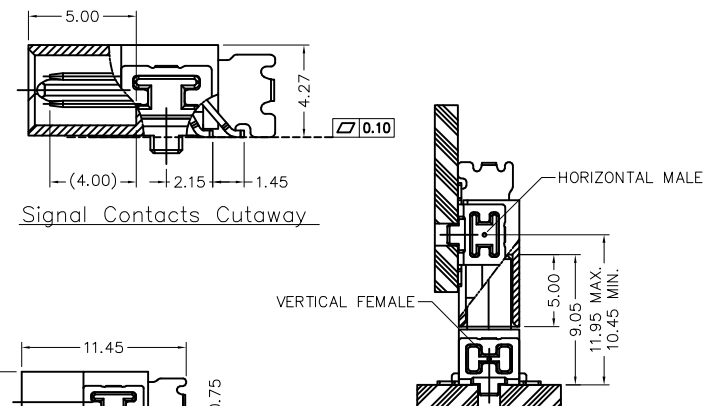
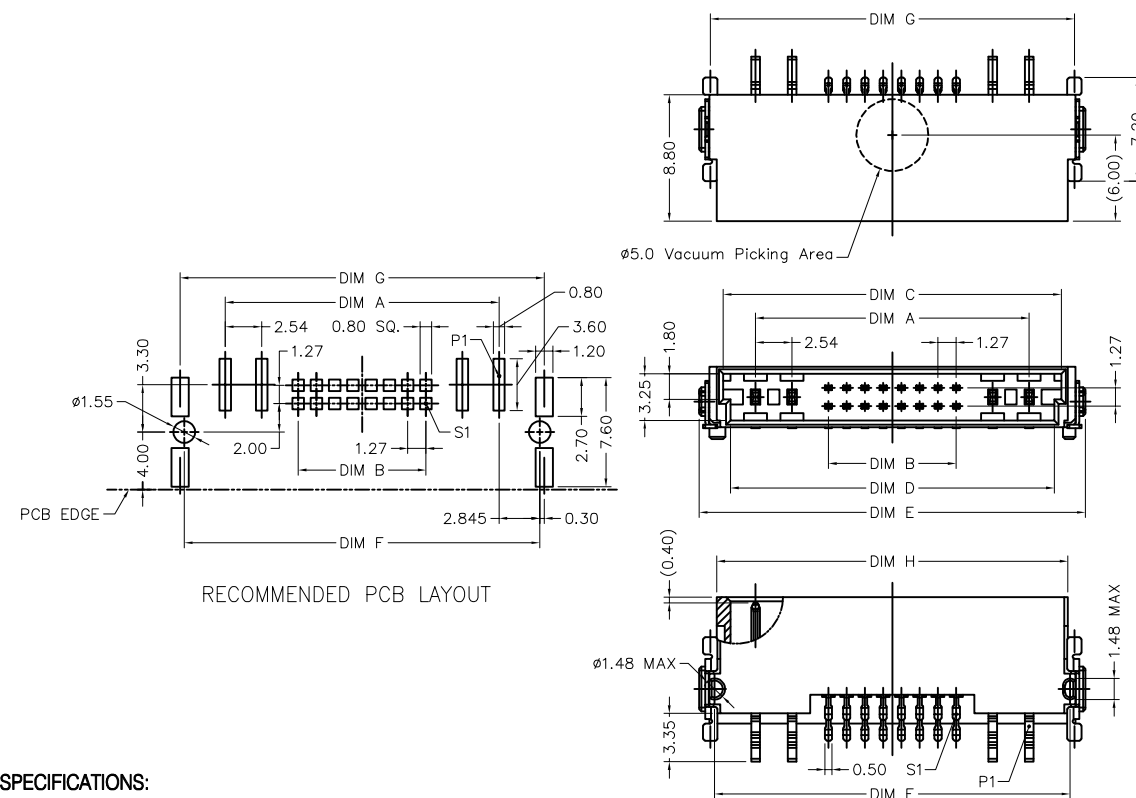


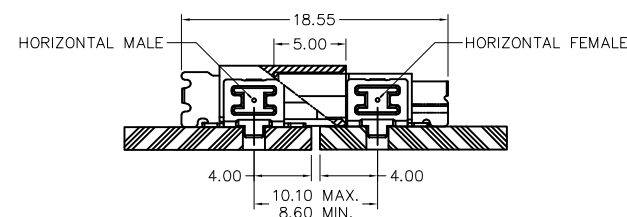
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/3/26	



Mating Application – Daughter Card to Motherboard



Mating Application — Extender Card

SPECIFICATIONS:

Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0

Insulator color: Black

Power Contact: Copper Alloy

Signal Contact: Copper Alloy

Hold Down: Copper Alloy, Tin plated

Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Voltage rating: 120V DC

Current rating: 24 Amp max (Single Power Contact)

2 Amp max (Single Signal Contact)

Contact resistance: 10 mohms max (Power Contact)

25 mohms max (Signal Contact)

Insulation resistance: 10,000 Mohms min

Dielectric withstanding voltage: 1390V AC for 1 minute (Power Contact)

500V AC for 1 minute (Signal Contact)

Temperature Rating:

Operating temperature: -55°C to $+125^{\circ}\text{C}$

Environmental:

Lead free, RoHS compliant.



@ DIM-TABLE

PART NUMBER	POWER POS.	SIGNAL POS.	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H
ESMC23-10-20D1	2	8	8.89	3.81	13.18	12.18	16.69	14.58	15.18	14.28
ESMC23-20-20D1	4	16	19.05	8.89	23.34	22.34	26.85	24.74	25.34	24.44
ESMC23-32-20D1	6	26	30.48	15.24	34.77	33.77	38.28	36.17	36.77	35.87
ESMC23-44-20D1	8	36	41.91	21.59	46.20	45.20	49.71	47.60	48.20	47.30

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED				 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com	
MM	X. ± 0.35 .X ± 0.30 .XX ± 0.25 .XXX ± 0.15	ANGLE	± 2°		
DRAWN	LW1	9/3/26			
CHECKED	RC	9/3/26		TITLE POWER 2.54mm SIGNAL 1.27mm BOARD TO BOARD HYBRID CONN, MALE, HORIZONTAL, SMT TYPE	
APPROVED					
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SIZE	PART NO.		REV		
X	ESMC23-XX-20D1		-		
REF:	S00242T	SCALE:	NTS	SHEET 1 OF 2	

APPROVED: _____

DATE: _____ TITLE: _____

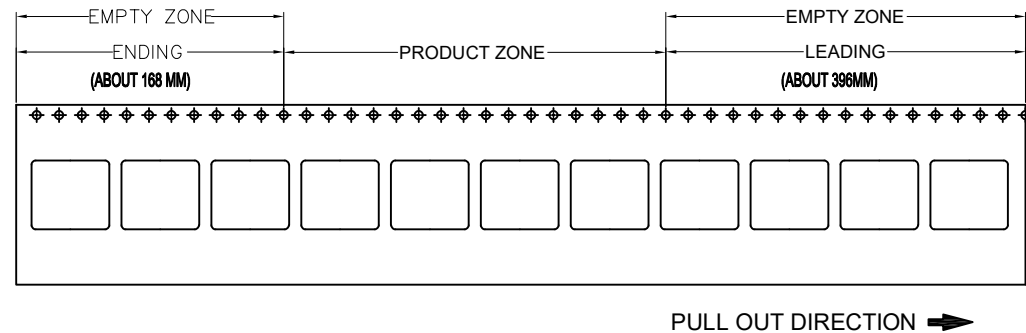
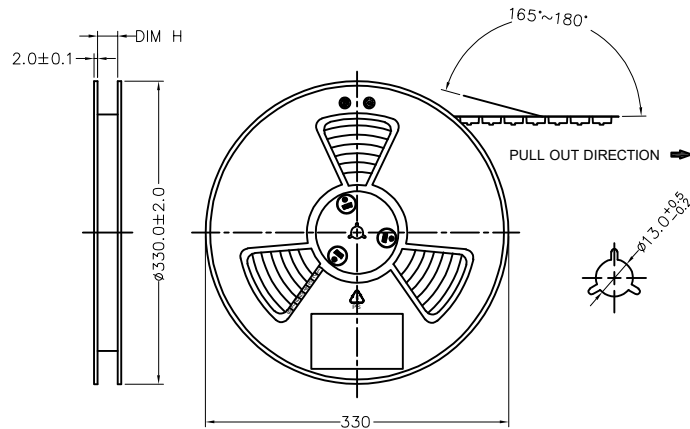
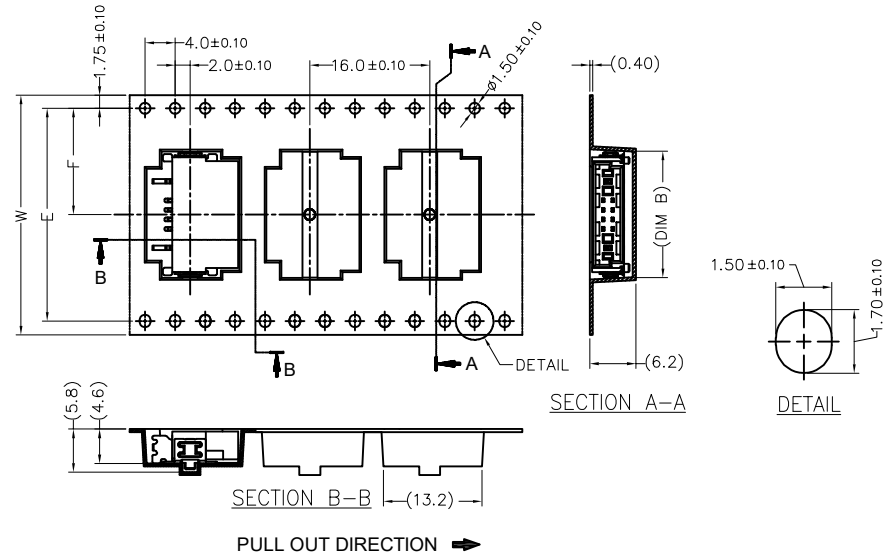
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

@ PACKING LIST

ADAM TECH P/N	PCS (REEL)	REEL (OUTSIDE CTN)	PCS (OUTSIDE CTN)	DIM H +0.2/-0	CTN SIZE
ESMC23-10-20D1	600	5	3000	32.40	350*350*260
ESMC23-20-20D1		4	2400	44.40	
ESMC23-32-20D1		3	1800	56.40	
ESMC23-44-20D1		5	3000	72.40	

@ DIM. TABLE

ADAM TECH P/N	DIM B ±0.15	DIM E ±0.10	DIM F ±0.10	DIM W +0.30/-0.10
ESMC23-10-20D1	16.9	28.40	14.20	32.00
ESMC23-20-20D1	27.1	40.40	20.20	44.00
ESMC23-32-20D1	38.5	52.40	26.20	56.00
ESMC23-44-20D1	49.9	68.40	34.20	72.00



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

MM	X. ± 0.35	ANGLE	± 2°
	.X ± 0.30		
	.XX ± 0.25		
	.XXX ± 0.15		

DRAWN LW1 9/3/26

CHECKED RC 9/3/26

APPROVED

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ADAM
TECH

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TITLE
**POWER 2.54mm SIGNAL 1.27mm BOARD TO BOARD
HYBRID CONN, MALE, HORIZONTAL, SMT TYPE**

SIZE X PART NO. **ESMC23-XX-20D1** REV. -

REF: S00242T SCALE: NTS SHEET 2 OF 2