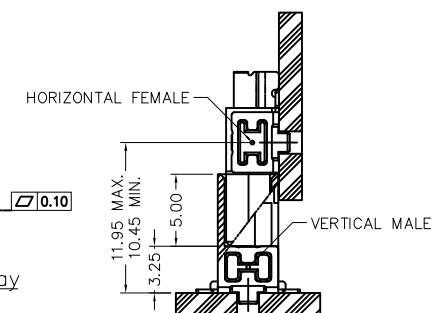
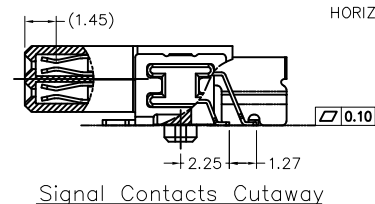
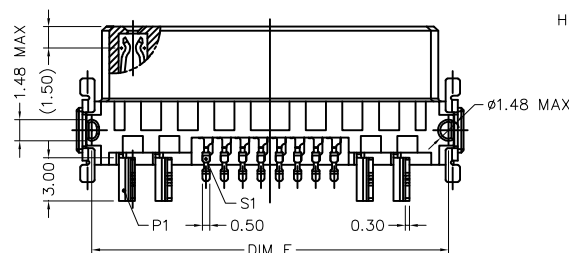
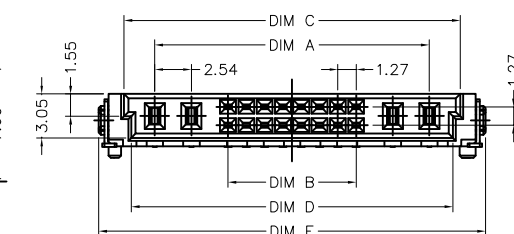
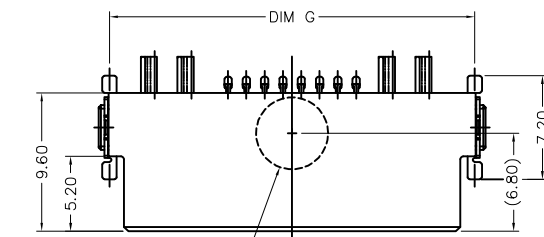
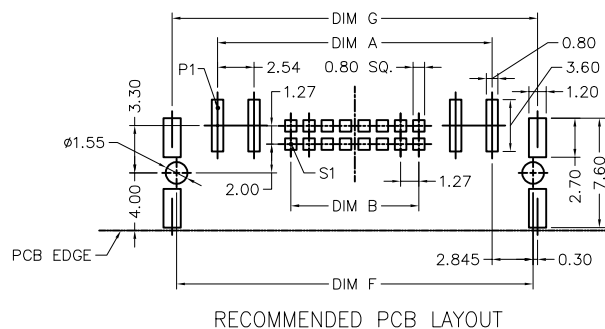


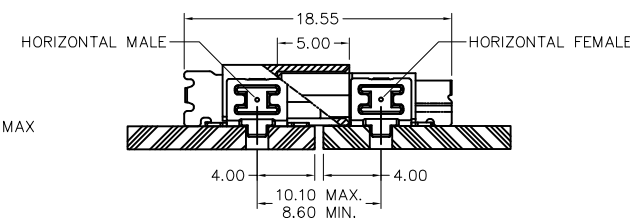
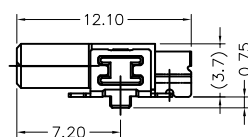
APPROVED: _____

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
ESMC21-10-20D1	2	8	8.89	3.81	13.18	12.18	16.69	14.58	15.18
ESMC21-20-20D1	4	16	19.05	8.89	23.34	22.34	26.85	24.74	25.34
ESMC21-32-20D1	6	26	30.48	15.24	34.77	33.77	38.28	36.17	36.77
ESMC21-44-20D1	8	36	41.91	21.59	46.20	45.20	49.71	47.60	48.20

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED			ADAM TECH		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, FEMALE, HORIZONTAL, SMT TYPE		
APPROVED						
CONFIDENTIAL AND PROPRIETARY © Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.						
SIZE X	PART NO. ESMC21-XX-20D1	REV -		REF: S00242T		
SCALE: NTS		SHEET 1 OF 2				

APPROVED: _____

DATE: _____ TITLE: _____

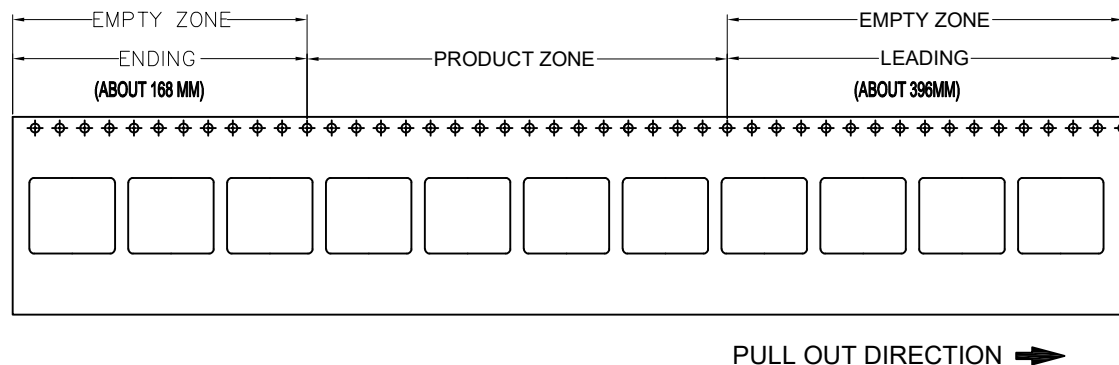
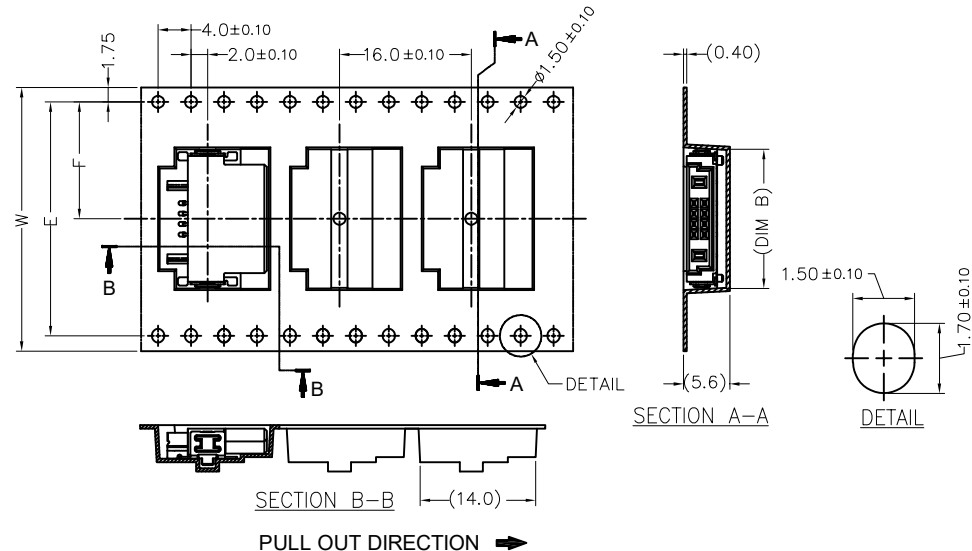
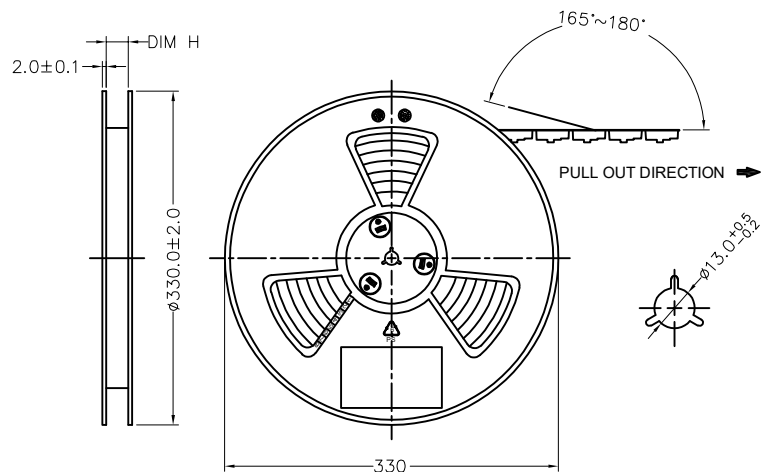
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

@ PACKING LIST

ADAM TECH P/N	PCS (REEL)	REEL (OUTSIDE CTN)	PCS (OUTSIDE CTN)	DIM H +0.2/-0	CTN SIZE
ESMC21-10-20D1	700	5	3500	32.40	350*350*260
ESMC21-20-20D1		4	2800	44.40	
ESMC21-32-20D1		3	2100	56.40	
ESMC21-44-20D1		5	3500	72.40	350*350*460

@ DIM. TABLE

ADAM TECH P/N	DIM B ±0.15	DIM E ±0.10	DIM F ±0.10	DIM W +0.30/-0.10
ESMC21-10-20D1	16.9	28.40	14.20	32.00
ESMC21-20-20D1	27.1	40.40	20.20	44.00
ESMC21-32-20D1	38.5	52.40	26.20	56.00
ESMC21-44-20D1	49.9	68.40	34.20	72.00



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED			ADAM TECH		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com	
X. ± 0.35 .X ± 0.30 .XX ± 0.25 .XXX ± 0.15			ANGLE ± 2°		TITLE POWER 2.54mm SIGNAL 1.27mm BOARD TO BOARD HYBRID CONN, FEMALE, HORIZONTAL, SMT TYPE	
DRAWN		LW1	9/3/26		SIZE X	
CHECKED		RC	9/3/26		PART NO. ESMC21-XX-20D1	
APPROVED					REV. -	
CONFIDENTIAL AND PROPRIETARY © Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.					REF: S00242T	
					SCALE: NTS	
					SHEET 2 OF 2	