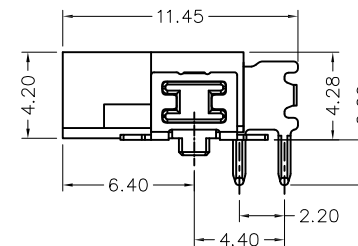
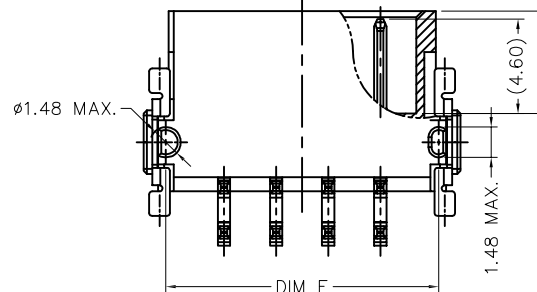
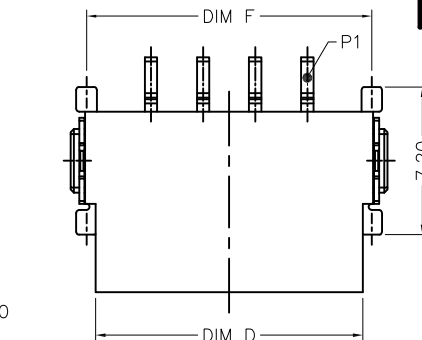
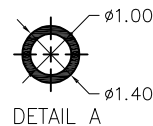
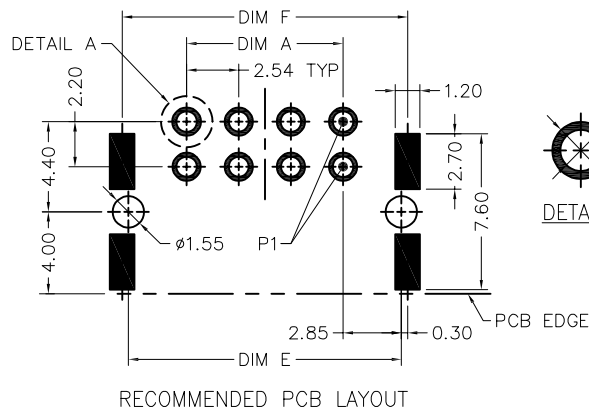


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/16/25	
A		UPDATE DRAWING	1/12/26	LW1/RC
B		UPDATE SPEC.	1/21/26	WY/RC



ESMC13D-XX-20F1

POS.	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
02	2.54	7.03	6.03	7.93	8.23	8.83	10.36
03	5.08	9.57	8.57	10.47	10.77	11.37	12.90
04	7.62	12.11	11.11	13.01	13.31	13.91	15.44
05	10.16	14.65	13.65	15.55	15.85	16.45	17.98
06	12.70	17.19	16.19	18.09	18.39	18.99	20.52
12	27.94	32.43	31.43	33.33	33.63	34.23	35.76

SPECIFICATIONS:

Material:

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

Insulator color: Black

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: 180V

Current rating: 24 Amp max (Single Contact)

Contact resistance: 10 mohms max

Insulation resistance: 10,000 Mohms min

Dielectric withstanding voltage: 1390 VAC for 1 minute

Temperature Rating:

Operating temperature: -55°C to +125°C

Environmental:

Lead free, RoHS compliant.



PACKAGED ON TAPE & REEL

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

MM	.X ± 0.35	ANGLE	$\pm 2^\circ$
	.XX ± 0.20		
	.XXX ± 0.10		

DRAWN	LW1	12/16/25
CHECKED	RC	12/16/25
APPROVED		

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Phone: 908-687-5000
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TITLE
2.54MM POWER BOARD TO BOARD STACKING
CONN, MALE, RIGHT ANGLE, SMT/DIP TYPE

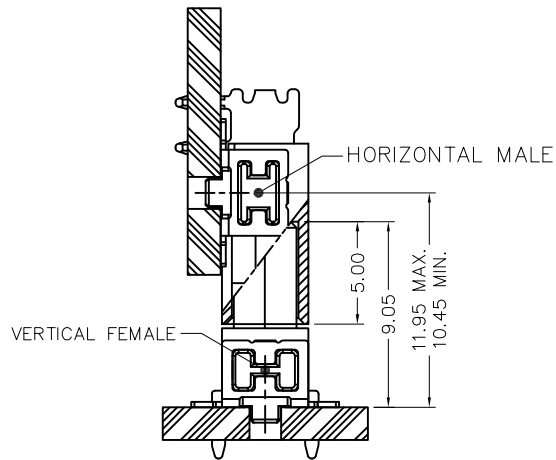
SIZE X	PART NO. ESMC13D-XX-20F1	REV. B
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REF: S00242T	SCALE: NTS	SHEET 1 OF 3
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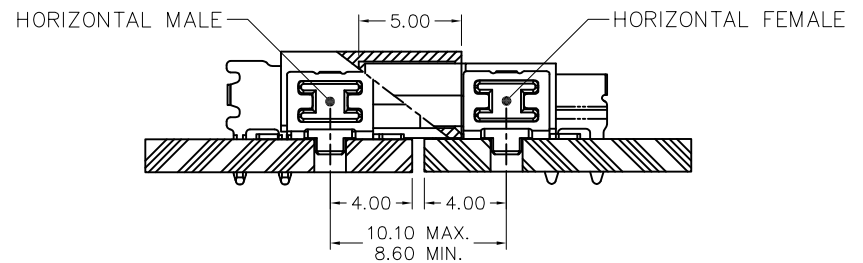
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



Mating Application— Daughter Card to Motherboard



Mating Application— Extender Card

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

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

DRAWN	LW1	12/16/25
CHECKED	RC	12/16/25
APPROVED		

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TITLE
**2.54MM POWER BOARD TO BOARD STACKING
CONN, MALE, RIGHT ANGLE, SMT/DIP TYPE**

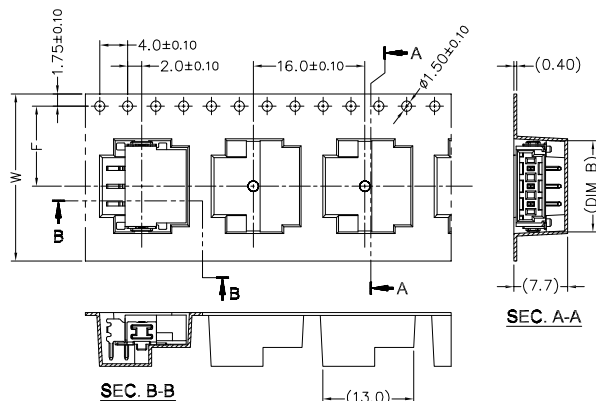
SIZE X	PART NO. ESMC13D-XX-20F1	REV. B
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REF: S00242T	SCALE: NTS	SHEET 2 OF 3
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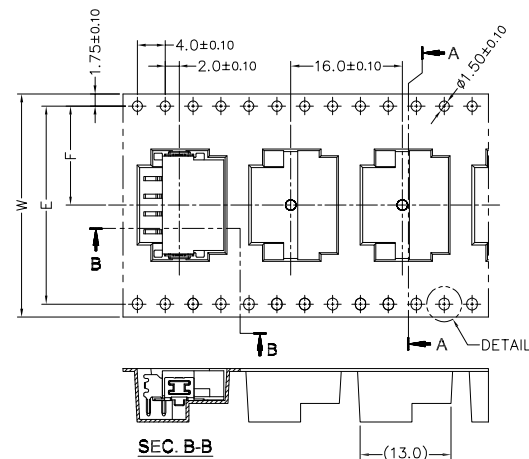
APPROVED: _____

DATE: _____ TITLE: _____

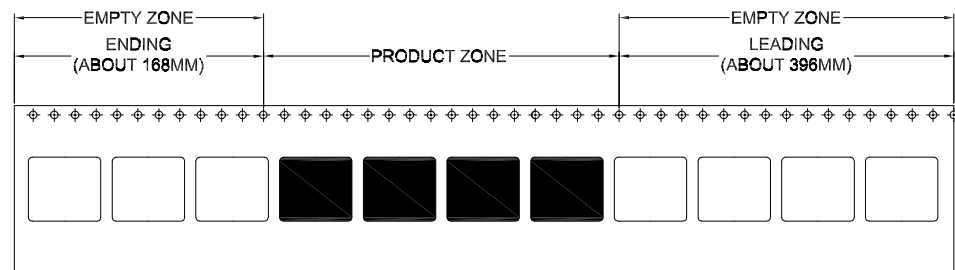
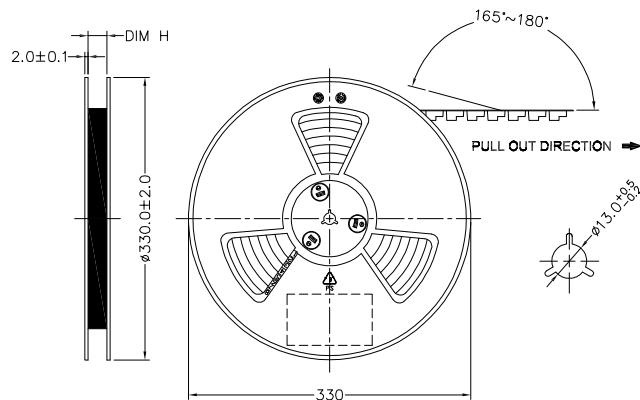
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



PULL OUT DIRECTION →
CARRIER DIMENSION - 2P to 3P



PULL OUT DIRECTION →
CARRIER DIMENSION - 4P to 12P



PULL OUT DIRECTION →

@ DIM. TABLE

POS.	DIM B	DIM E ±0.10	DIM F ±0.10	DIM W +0.30/-0.10
2P	10.6	28.40	11.50	24.00
3P	13.2			
4P	15.6			
5P	18.2	40.40	14.20	32.00
6P	20.7	20.20	20.20	44.00
12P	36.0	52.40	26.20	56.00

@ PACKING LIST

POS.	PCS (REEL)	REEL (OUTSIDE CTN)	PCS (OUTSIDE CTN)	DIM H +0.2/-0	CTN SIZE
2P	500	7	3500	24.40	350*350*260
3P					
4P		5	2500	32.40	
5P					
6P				44.40	
12P		3	1500	56.40	

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

MM	.X ± 0.35 .XX ± 0.20 .XXX ± 0.10	ANGLE	± 2°
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DRAWN LW1 12/16/25

CHECKED RC 12/16/25

APPROVED

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TITLE
2.54MM POWER BOARD TO BOARD STACKING
CONN, MALE, RIGHT ANGLE, SMT/DIP TYPE

SIZE	PART NO.	REV.
X	ESMC13D-XX-20F1	B

REF: S00242T SCALE: NTS SHEET 3 OF 3