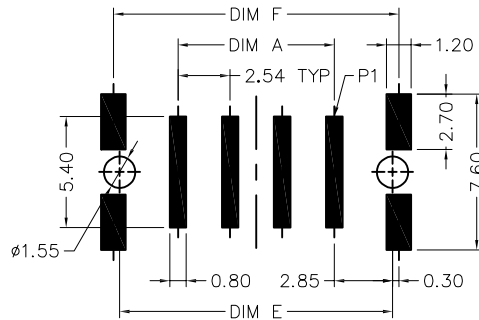
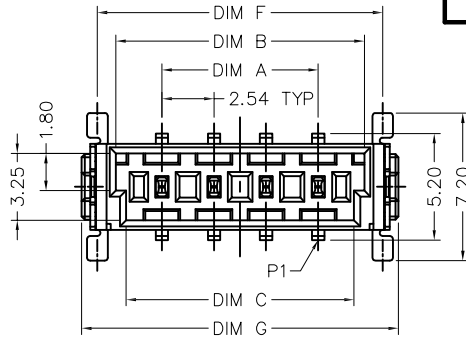


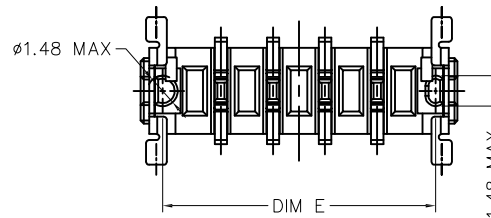
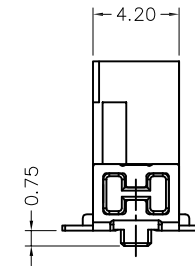
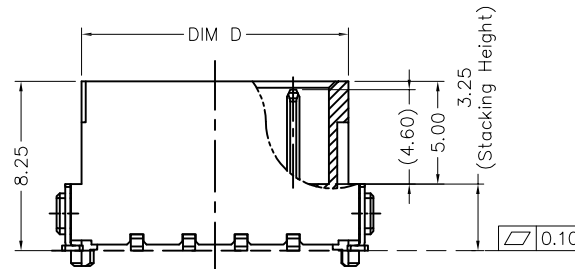
APPROVED: _____

DATE: _____ TITLE: _____

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



RECOMMENDED PCB LAYOUT



ESMC14-XX-20A2

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	± 2°
	.XX ± 0.20		
	.XXX ± 0.10		

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

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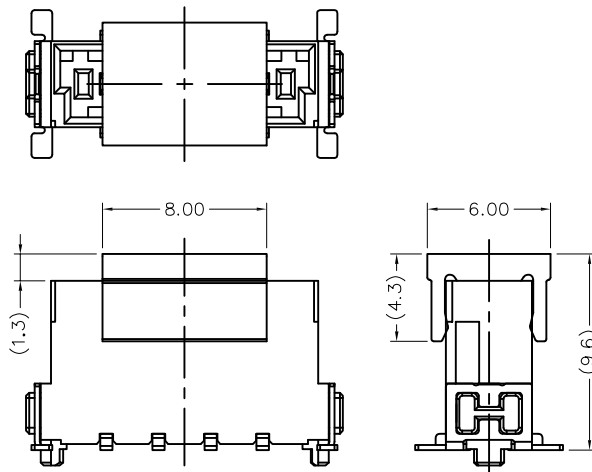
TITLE
2.54mm POWER BOARD TO BOARD STACKING
CONNECTOR, MALE, STRAIGHT, SMT TYPE

SIZE X	PART NO. ESMC14-XX-20A2	REV. B
REF: S00242T	SCALE: NTS	SHEET 1 OF 3

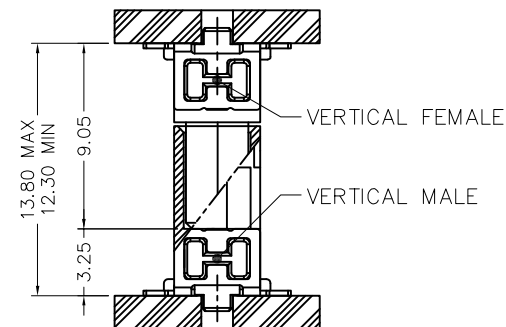
APPROVED: _____

DATE: _____ TITLE: _____

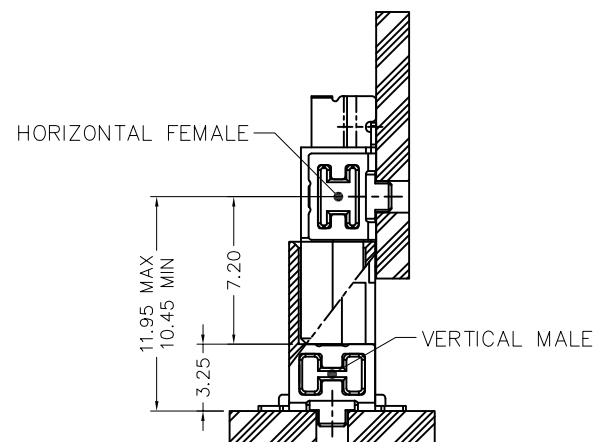
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



Nozzle Cap Dimension



Mating Application– Board to Board Stacking



Mating Application– Daughter 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	WY	12/16/25
CHECKED	RC	12/16/25
APPROVED		

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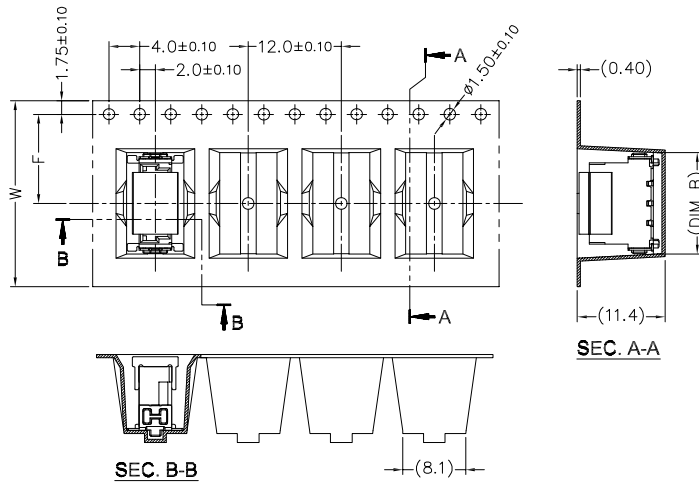
TITLE
**2.54mm POWER BOARD TO BOARD STACKING
CONNECTOR, MALE, STRAIGHT, SMT TYPE**

SIZE X	PART NO. ESMC14-XX-20A2	REV. B
REF: S00242T	SCALE: NTS	SHEET 2 OF 3

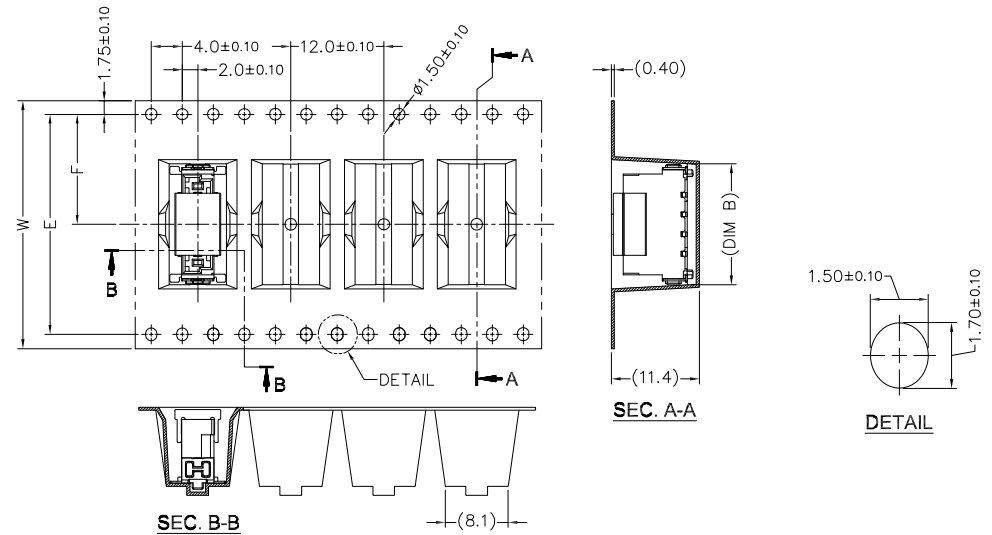
APPROVED: _____

DATE: _____ TITLE: _____

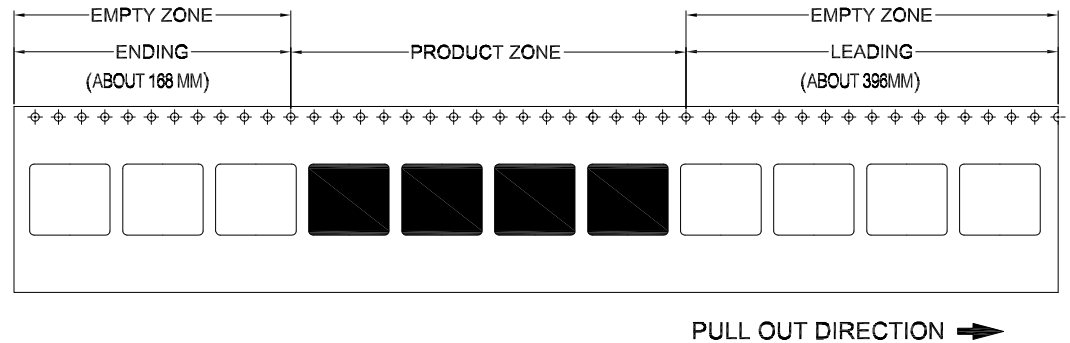
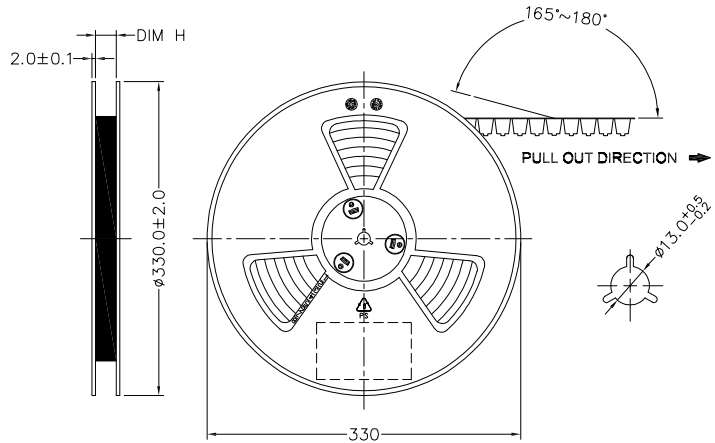
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



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



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



PACKING LIST

POS.	PCS (REEL)	REEL (OUTSIDE CTN)	PCS (OUTSIDE CTN)	DIM H +0.2/-0	CTN SIZE
2P	450	7	3150	24.40	350*350*260
3P				32.40	
4P				44.40	
5P				56.40	
6P				56.40	
12P		3	1350	56.40	

DIM. TABLE

POS.	DIM B	DIM E ±0.10	DIM F ±0.10	DIM W +0.30/-0.10
2P	10.6		11.50	24.00
3P	13.1			
4P	15.6			
5P	18.2	28.40	14.20	32.00
6P	20.7	40.40	20.20	44.00
12P	36.0	52.40	26.20	56.00

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

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

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

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TITLE 2.54mm POWER BOARD TO BOARD STACKING CONNECTOR, MALE, STRAIGHT, SMT TYPE

SIZE X	PART NO. ESMC14-XX-20A2	REV. B
REF: S00242T	SCALE: NTS	SHEET 3 OF 3