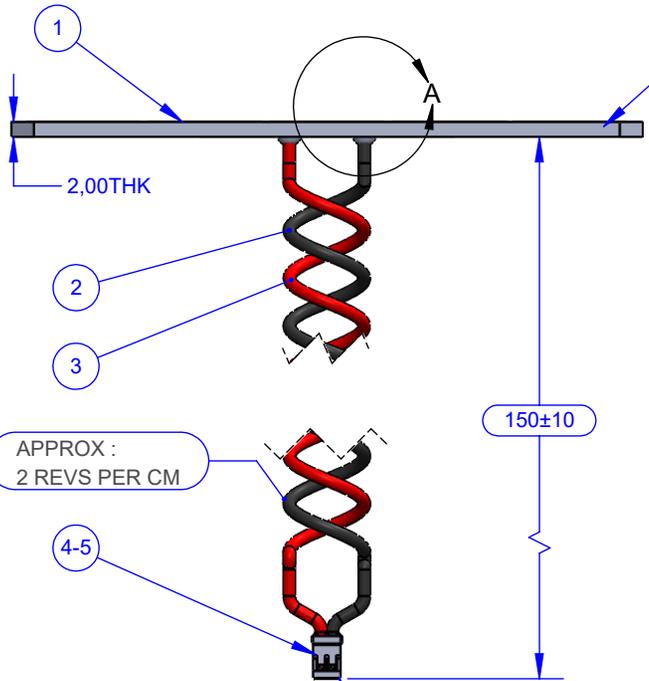


**ELECTRICAL SPECS:**  
- VMPP = 2.5-2.8V

02

02 01

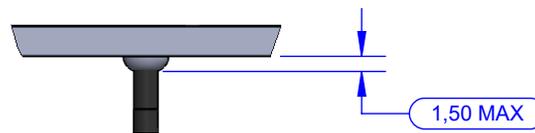
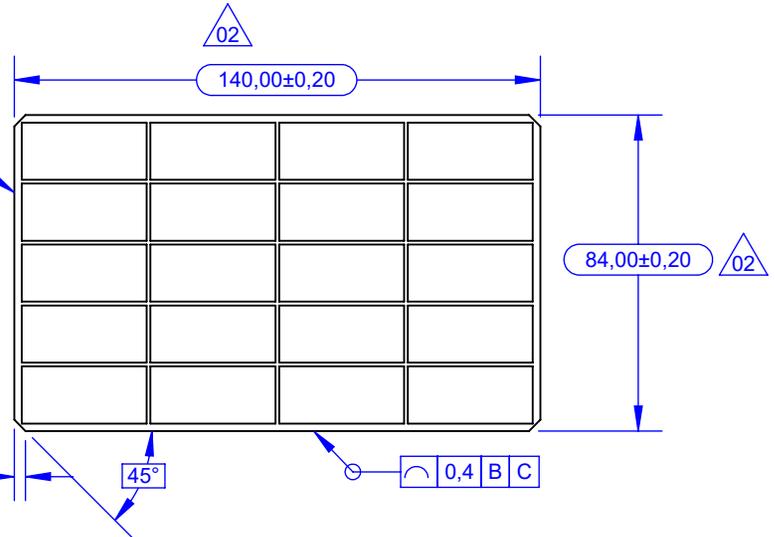
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAU	SUPPLIER	SKU SUPPLIER	QTY.
1	10340	V250 SOLAR PANEL 84X140MM	VARIABLE	N/A	N/A	1
2	N/A	WIRE STRANDED 24AWG 11/34 30VMIN -30°C ~ 90°C MIN L TBDMM BK UL	TINNED COOPER	N/A	N/A	1
3	N/A	WIRE STRANDED 24AWG 11/34 30VMIN -30°C ~ 90°C MIN L TBDMM RED UL	TINNED COOPER	N/A	N/A	1
4	N/A	CRIMP MOLEX AWG #24-#26 TIN-PLATED 87421-0000	PHOSPHOR BRONZE	MOLEX	87421-0000	2
5	N/A	EL CON MOLEX 2PINS X AWG#24-#26 NATURAL 874390200	PA UL94-V0	MOLEX	874390200	1



FOLLOW CONN AND CRIMPS REQUIREMENTS FOR GOOD INSTALLATION

PINOUT:  
#1 : + RED  
#2 : - BK

**IMPORTANT:**  
ENSURE WEATHER PROTECTION ALL AROUND. IT WILL BE EXPOSED OUTDOOR WEATHER



DETAIL A  
SCALE 2 : 1

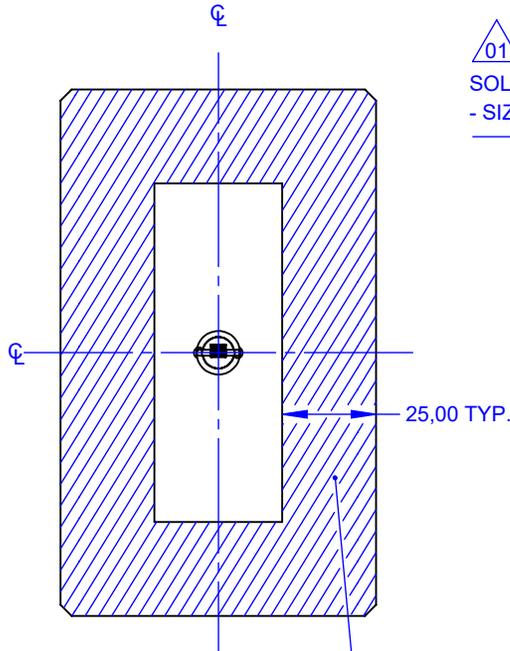
- NOTES:
- 1- FOR ADDITIONAL VALUES REFER TO 3D MODEL
  - 2- TOLERANCING AS PER ASME Y14.5-2018
  - 3- ALL UNTOLERANCED DIMENSIONS ARE BASICS
- ALL OVER
- 1 A B C
- 3 - ASSEMBLY NEED TO BE FREE OF WELD PROJECTIONS UNLESS OTHERWISE SPECIFIED
  - 4- PART NEEDS TO BE FREE OF BURRS AND SHARP EDGES

ALL DIMENSIONS ARE IN MM.

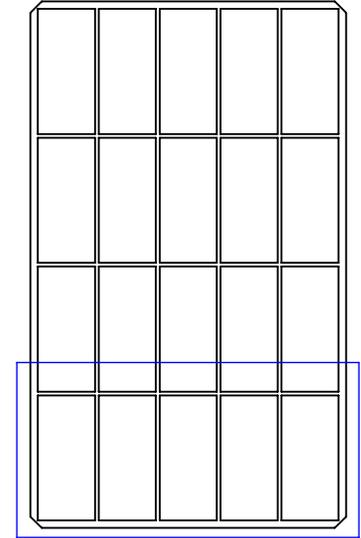
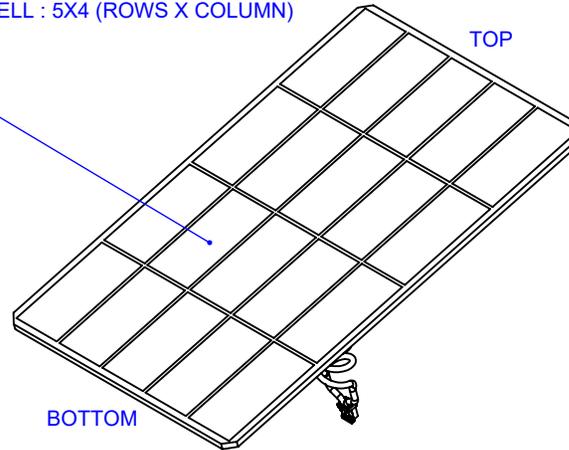
REVISIONS				These designs and drawings are the exclusive property of Vosker. They may not be disclosed to third parties, mechanically stored, reproduced, copied or used to manufacture or procure the parts shown without the express prior written consent of Vosker.		AUTHOR:	DATE:	DRAWING TITLE:	DRAWING No.:	REVISION No.:
REV.	DESCRIPTION	DATE (DD/MM/YY)	REV. BY			EML	23/01/23	AS V250 SOLARPANEL WITH CONN	10339	R02
01	CHANGE CELL LAYOUT & ADD ELECTRICAL DETAILS	04/07/23	EML	DRAWING PURPOSE:		DRAW BY:	DATE:	MATERIAL:	WEIGHT (grams):	
02	ADD SURFACE 14 TO 84mm & 130 TO 140mm, ADJUST THE SOLAR CELL LAYOUT & ADD ELEC SPECS	03/08/23	EML	<b>FOR QUOTE</b>		EML	29/06/23	SEE BOM	TBD	
				PROJECT No. AND NAME:	ENG APP:	DATE:	FINISH:	SCALE:	SHT No.:	
				V250	YYYYY	DD/MM/YY	UNSPECIFIED	1:2	1 / 2	

FINISH :  
- LINKED TO SPECS

SURFACE QUALITY :  
- LINKED TO SPECS



01 02  
SOLAR CELL HORIZONTAL  
- SIZE & QTY OF CELL : 5X4 (ROWS X COLUMN)



01 ELECTRICAL LAYOUT:  
- ENSURE OPTIMAL CHARGING WHEN  
BOTTOM THIRD OF THE ENTIRE PANEL  
(1/3) IS BLOCKED BY SNOW

NOTES:  
1- FOR SURFACES QUALITY REFER TO LATEST VERSION OF:  
VOS-SPY\_SURFACEQUALITY&COATINGSPECS\_RXX.PDF

ALL DIMENSIONS ARE IN MM.

**EJECTOR PINS:**  
- EJECTOR PINS NEED TO BE FLUSH OR RECESSED  
- NO EJECTOR PINS OR MARKING FROM EJECTORS ON THE EXTERNAL SURFACES  
- NO EJECTOR PINS ON SEALING SURFACES IF APPLICABLE

These designs and drawings are the exclusive property of Vosker. They may not be disclosed to third parties, mechanically stored, reproduced, copied or used to manufacture or procure the parts shown without the express prior written consent of Vosker.

	AUTHOR: EML	DATE: 23/01/23	DRAWING TITLE: AS V250 SOLARPANEL WITH CONN	DRAWING No.: 10339	REVISION No.: R02
	DRAWING PURPOSE: <b>FOR QUOTE</b>	DRAW BY: EML	DATE: 29/06/23	MATERIAL: SEE BOM	WEIGHT (grams): TBD
	PROJECT No. AND NAME: V250	ENG APP: YYYYY	DATE: DD/MM/YY	FINISH: UNSPECIFIED	SCALE: 1:2