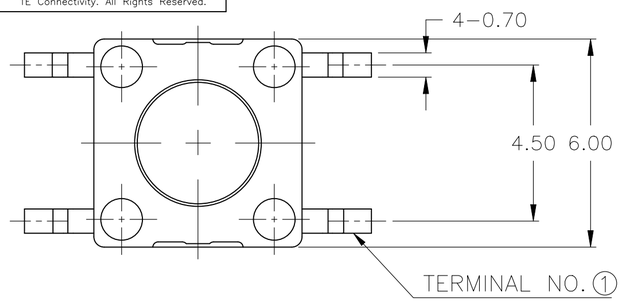
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	ECR-25-240701	11APR2025	LP	MY



FSM X XXX X XX XX

ACTUATOR LENGHT mm:

2	4.3
3	5.0
4	7.0
5	8.5
6	9.5

VERSION:

JS6	SEALED VERSION 6X6

ACTUATOR FORCE:

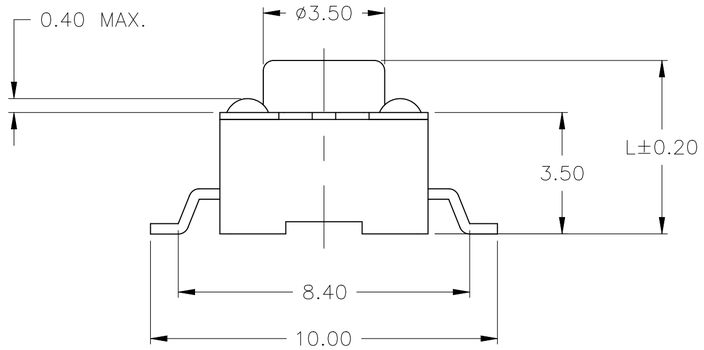
BLANK	160gf
A	260gf
B	320gf

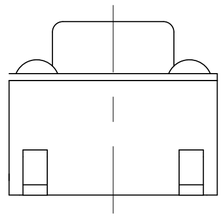
MOUNTING STYLE:

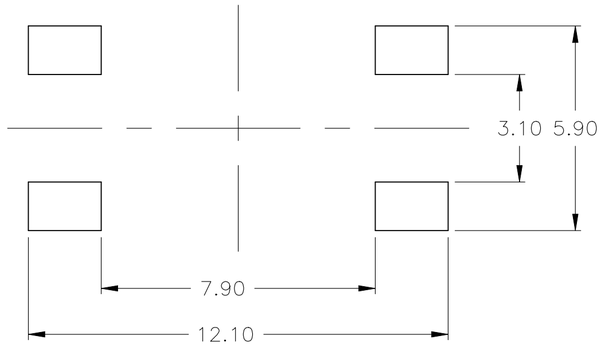
SM	SURFACE MOUNT

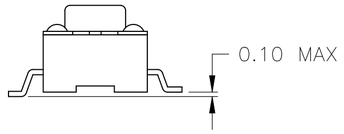
PACKAGING STYLE:

TR	TAPE/REEL

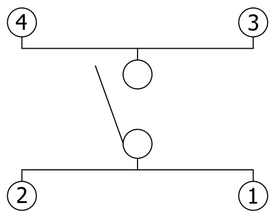








P.C.B. LAND DIMENSION



CIRCUIT DIAGRAM

SPECIFICATIONS:

MATERIALS:
CASE, PPA-UL94V-0 SEE TABLE
LCP-UL94V-0 SEE TABLE
ACTUATOR, PPA-UL94V-0 SEE TABLE
PPA-UL94HB SEE TABLE
COVER, STAINLESS STEEL (SUS)
MOVING CONTACT, STAINLESS STEEL, SILVER FINISH
FIXED CONTACT/TERMINAL, COPPER ALLOY, SILVER FINISH
COVER TAPE, P.I FILM.

ELECTRICAL:
MAX CONTACT RATING, 50MA@ 24V DC
MIN CONTACT RATING, 10MICROAMP@1V DC
INITIAL CONTACT RESISTANCE, 100 MΩ MIN
INSULATION RESISTANCE, 100 MΩ MIN
DIELECTRIC STRENGTH, 250 V AC FOR 1 MINUTE
CONTACT BOUNCE, 10 MILLISECOND MAX

MECHANICAL:
ACTUATION FORCE, See P/N Table
ACTUATION TRAVEL, 0.20 +/-0.1MM
LIFE EXPECTANCY, See P/N Table (2 CYCLES PER SECOND AND 150% ACTUATION FORCE),

ENVIRONMENTAL:
OPERATING TEMPERATURE, -40 TO +105° C, 45 ~ 85% RH.
STORAGE TEMPERATURE, -40 TO +105° C. HOWEVER, 96 HOURS MAXIMUM FOR CONTINUOUS STORAGE OVER A RANGE -20 ~ -30°C AND A RANGE 70 ~ 80°C.
SOLDERABILITY, (Refer sheet 2)
SEALING PER IP67
MSL = 1

1 EU RoHS2.0((RoHS 2011/65/EU with (EU) 2015/863 Compliance)

2 TAPE AND REEL PACKAGING PER EIA-481

	DIM 'L' mm	LIFE CYCLE	ACTUATOR FORCE	CASE MATERIAL	CASE COLOR	ACTUATOR MATERIAL	ACTUATOR COLOR	MOUNTING TYPE	PART DESCRIPTION	TE SMART P/N	TCPN
C1	9.5	1000000	1.6±0.5 N (160±50 gf)	LCP	BLACK	PPA	GREY	SURFACE MOUNT	6.0 x 6.0 x 9.5,160gf, IP67, Tact	FSM6JS6SMTR	1977265-9
C1	9.5	1000000	3.2±0.5 N (320±50 gf)	LCP	BLACK	PPA	RED	SURFACE MOUNT	6.0 x 6.0 x 9.5, 320gf, IP67, Tact	FSM6JS6BSMTR	1977265-8
C1	4.3	1000000	2.6±0.5 N (260±50 gf)	PPA	GRAY	PPA	WHITE	SURFACE MOUNT	6.0 x 6.0 x 4.3, 260gf, IP67, Tact	FSM2JS6ASMTR	1977265-7
C1	4.3	1000000	1.6±0.5 N (160±50 gf)	PPA	BLACK	PPA	WHITE	SURFACE MOUNT	6.0 x 6.0 x 4.3, 160gf, IP67, Tact	FSM2JS6SMTR	1977265-6
C1	7	1000000	1.6±0.5 N (160±50 gf)	PPA	BLACK	PPA	WHITE	SURFACE MOUNT	6.0 x 6.0 x 7.0, 160gf, IP67, Tact	FSM4JS6SMTR	1977265-5
C1	8.5	1000000	1.6±0.5 N (160±50 gf)	PPA	BLACK	PPA	WHITE	SURFACE MOUNT	6.0 x 6.0 x 8.5, 160gf, IP67, Tact	FSM5JS6SMTR	1977265-4
C1	5	1000000	2.6±0.5 N (260±50 gf)	PPA	GRAY	PPA	AMBER	SURFACE MOUNT	6.0 x 6.0 x 5.0, 260gf, IP67, Tact	FSM3JS6ASMTR	1977265-3
	5	1000000	1.6±0.5 N (160±50 gf)	PPA	BLACK	PPA	AMBER	SURFACE MOUNT	6.0 x 6.0 x 5.0, 160gf, IP67, Tact	FSM2JS6SMTR	1977265-2
	5	1000000	1.6±0.5 N (160±50 gf)	PPA	BLACK	PPA	AMBER	SURFACE MOUNT	6.0 x 6.0 x 5.0, 160gf, IP67, Tact	FSM2JS6SM	1977265-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.30
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL: SEE TABLE 1
FINISH: –

DWN LINGANATHAN P 11APR2025
CHK MANOJ YADAV 11APR2025
APVD MANOJ YADAV 11APR2025
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME: 6.0X6.0MM SEALED TACT SWITCH, SMT
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1977265	—

CUSTOMER DRAWING | SCALE 8:1 | SHEET 1 OF 7 | REV C1

1977265

1471-9 (1/15)

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

SOLDERING CONDITIONS

Manual soldering

Soldering temperature : less than 400°C.

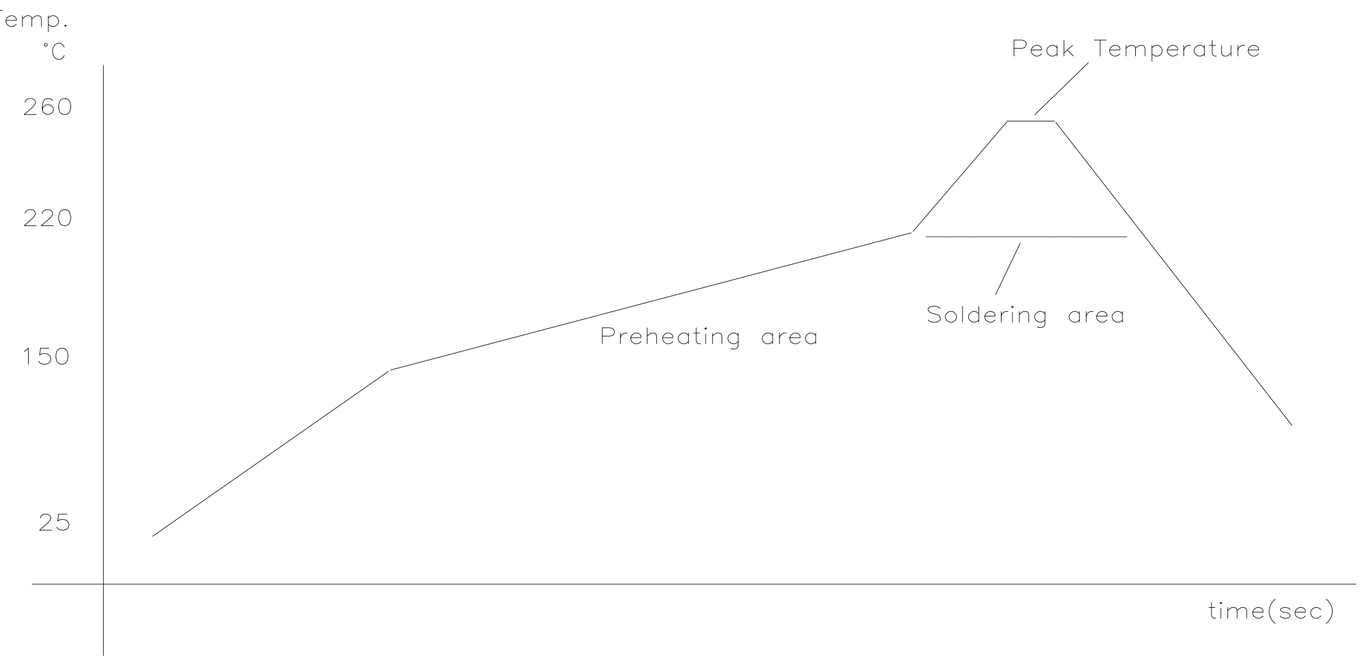
Soldering time : Within 4 seconds

REFLOW SOLDERING CONDITIONS

Preheat ---------- 150°C ~ 200°C, 120 ±20 (sec)

Peak temperature --- 260°C max. 10 (sec)

Soldering area temperature ------ 217°C, 90 ~ 120 (sec)



< Temperature profile >

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 11APR2025 LINGANATHAN P	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± 0.30 3 PLC ± – 4 PLC ± – ANGLES ± –	CHK 11APR2025 MANOJ YADAV	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT – –
MATERIAL SEE TABLE 1	FINISH –	APVD 11APR2025 MANOJ YADAV	SIZE A2 · CAGE CODE 00779 · DRAWING NO C-1977265 · RESTRICTED TO —
		PRODUCT SPEC —	
		APPLICATION SPEC —	
		WEIGHT —	CUSTOMER DRAWING · SCALE 8:1 · SHEET 2 OF 7 · REV C1

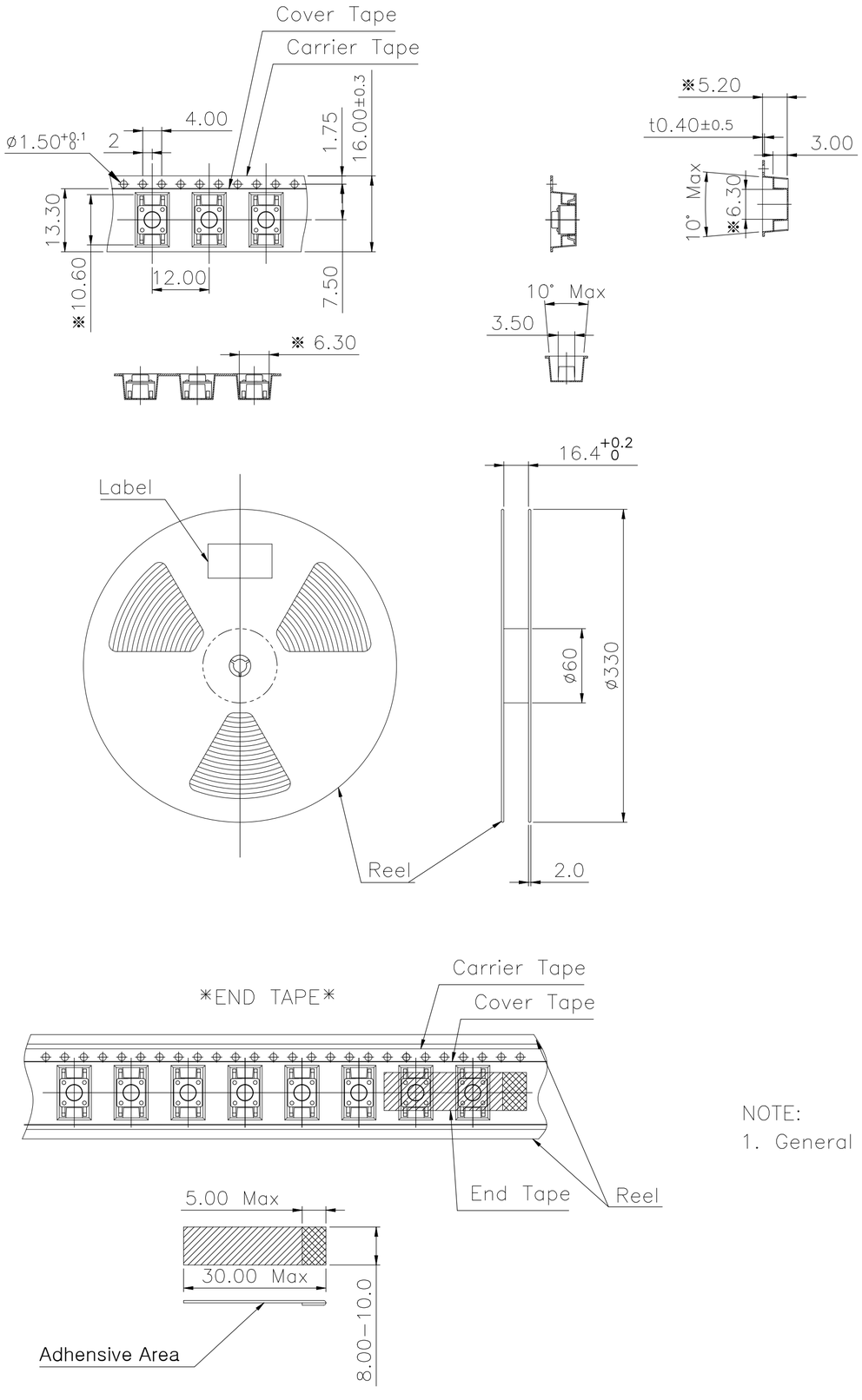
1977265

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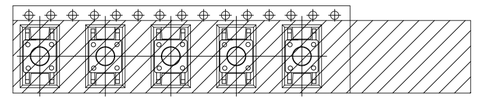
PACKAGING DRAWING

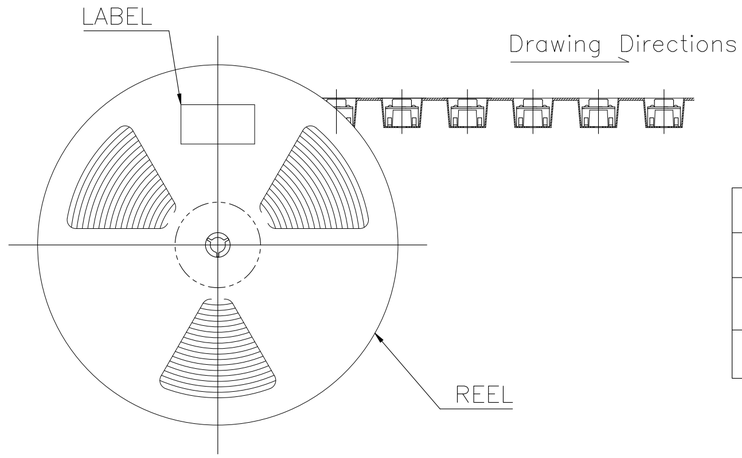
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

＊THE DIMENSION OF CARRIER TAPE, COVER TAPE AND REEL＊



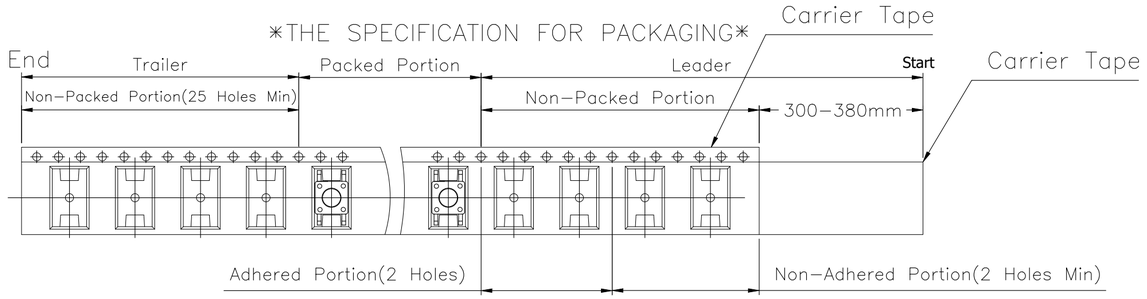
＊THE DIRECTION OF PILOT HOLES＊





QUANTITY	TCPN P/N
1000	1977265–1
1000	1977265–2
1200	1977265–3

＊THE SPECIFICATION FOR PACKAGING＊



＊END TAPE＊

NOTE:
1. General tolerance : ±0.1mm

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 11APR2025	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30 ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK MANOJ YADAV 11APR2025 ; APVD MANOJ YADAV 11APR2025 ; PRODUCT SPEC — ; APPLICATION SPEC —	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT — —
MATERIAL SEE TABLE 1	FINISH –	WEIGHT —	SIZE A2 ; CAGE CODE 00779 ; DRAWING NO C-1977265 ; RESTRICTED TO —
CUSTOMER DRAWING		SCALE 8:1	SHEET 3 OF 7 ; REV C1

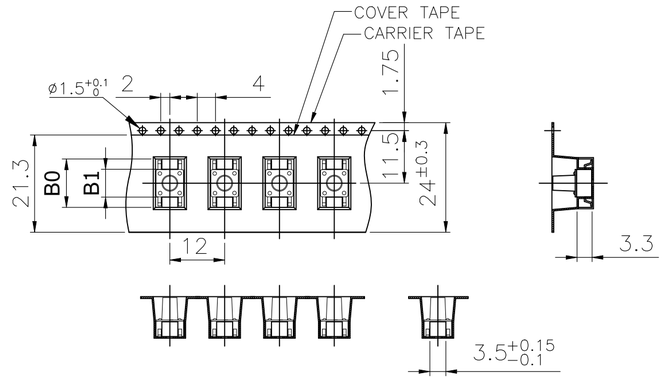
1977265

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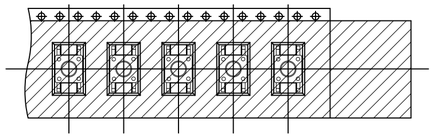
PACKAGING DRAWING

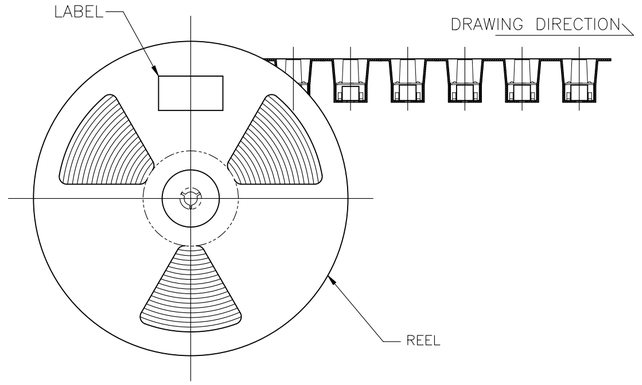
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

THE DIMENSION OF CARRIER TAPE, COVER*TAPE AND REEL



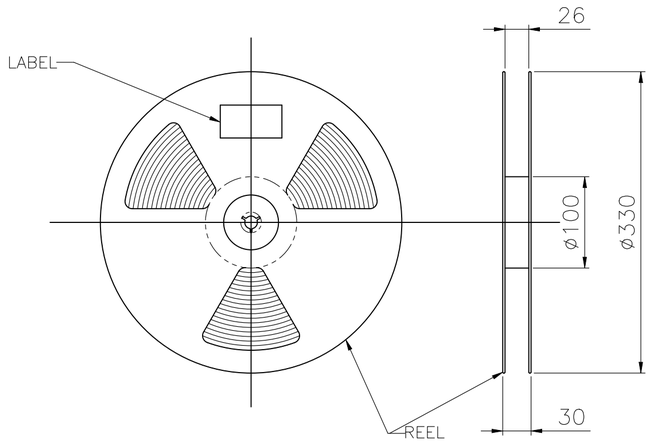
* THE DIRECTION OF PILOT HOLES *



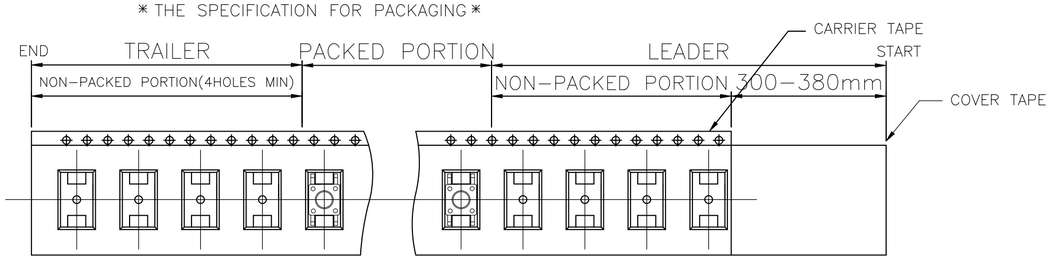


QUANTITY	TCPN P/N
650	1977265–4

DIMENSION	SIZE
A0	6.3mm
B0	10.6mm
B1	6.1+0.1 0 mm
K0	8.8mm

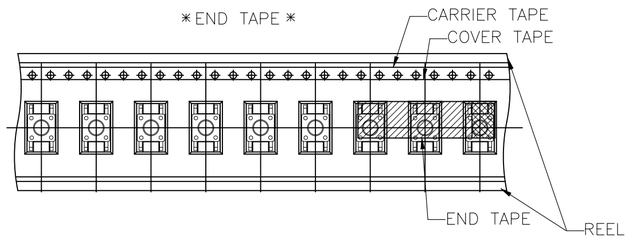


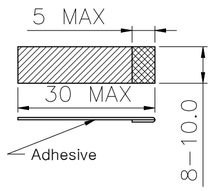
* THE SPECIFICATION FOR PACKAGING *



NOTES
1. 650PCS SWITCHES PER 1 REEL
2. GENERAL TOLERANCE : ±0.1mm

* END TAPE *





THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 11APR2025	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30 ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK MANOJ YADAV 11APR2025 ; APVD MANOJ YADAV 11APR2025 ; PRODUCT SPEC — ; APPLICATION SPEC — ; WEIGHT —	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT – –
MATERIAL SEE TABLE 1	FINISH –		SIZE A2 ; CAGE CODE 00779 ; DRAWING NO C-1977265 ; RESTRICTED TO —
		CUSTOMER DRAWING	SCALE 8:1 ; SHEET 4 OF 7 ; REV C1

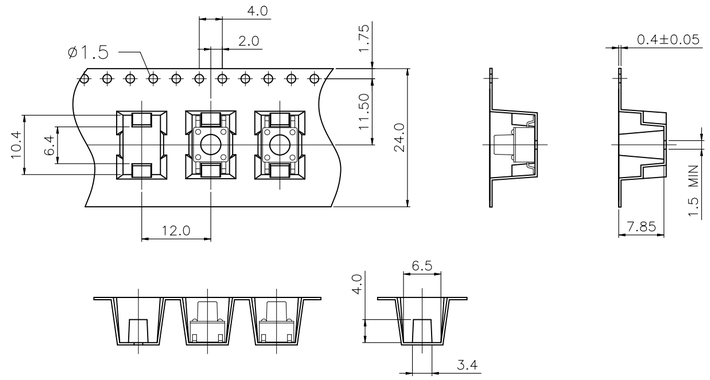
1977265

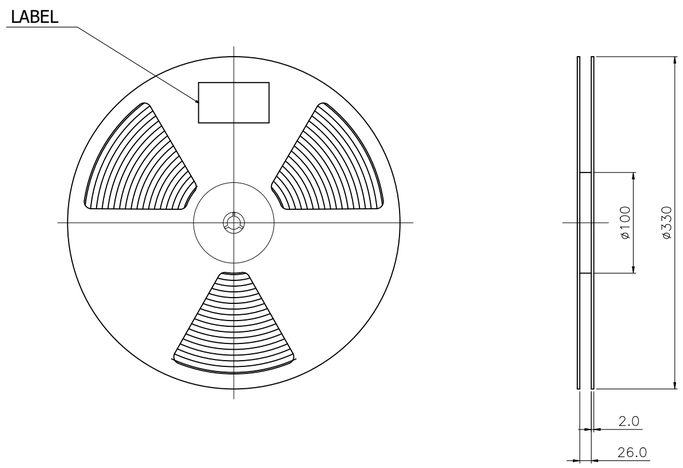
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PACKAGING DRAWING

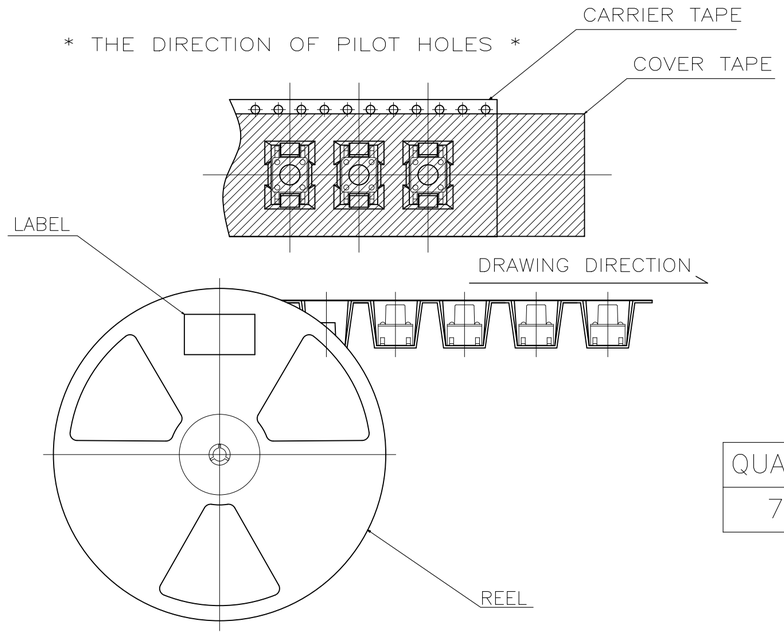
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

* THE DIMENSION OF CARRIER TAPE, COVER TAPE AND REEL *



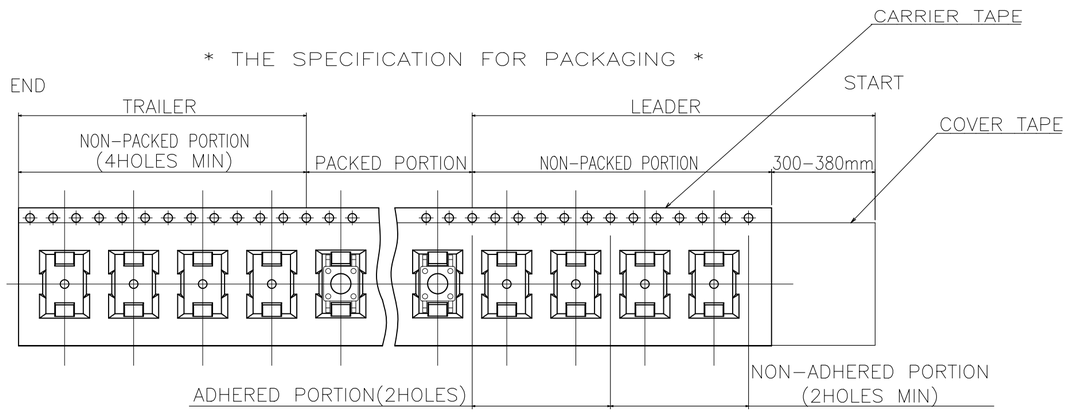


* THE DIRECTION OF PILOT HOLES *

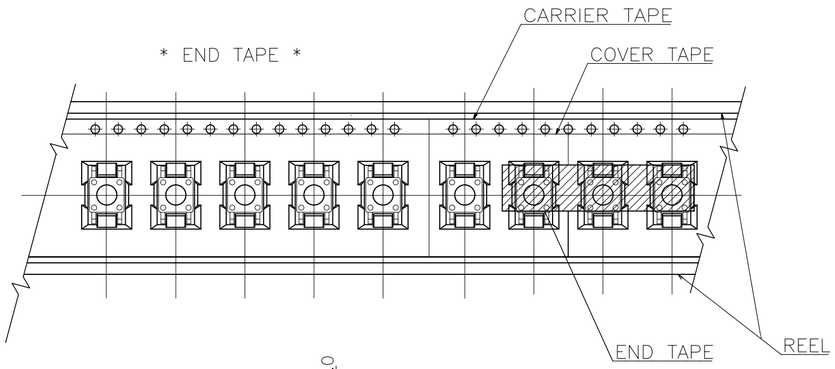


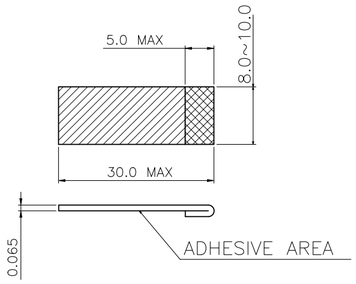
QUANTITY	TCPN P/N
750	1977265–5

* THE SPECIFICATION FOR PACKAGING *



* END TAPE *





THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 11APR2025 LINGANATHAN P	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30 ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK 11APR2025 MANOJ YADAV	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT – –
		APVD 11APR2025 MANOJ YADAV	
		PRODUCT SPEC —	
		APPLICATION SPEC —	SIZE A2 · CAGE CODE 00779 · DRAWING NO C-1977265 · RESTRICTED TO —
MATERIAL SEE TABLE 1	FINISH –	WEIGHT —	
		CUSTOMER DRAWING	SCALE 8:1 · SHEET 5 OF 7 · REV C1

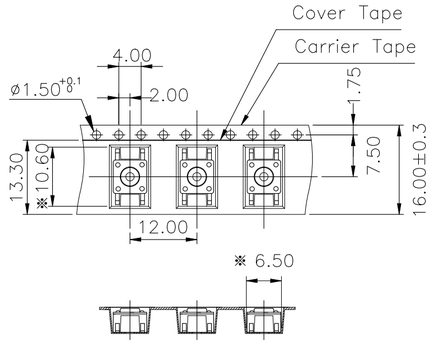
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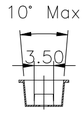
PACKAGING DRAWING

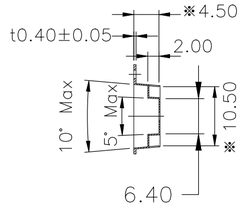
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

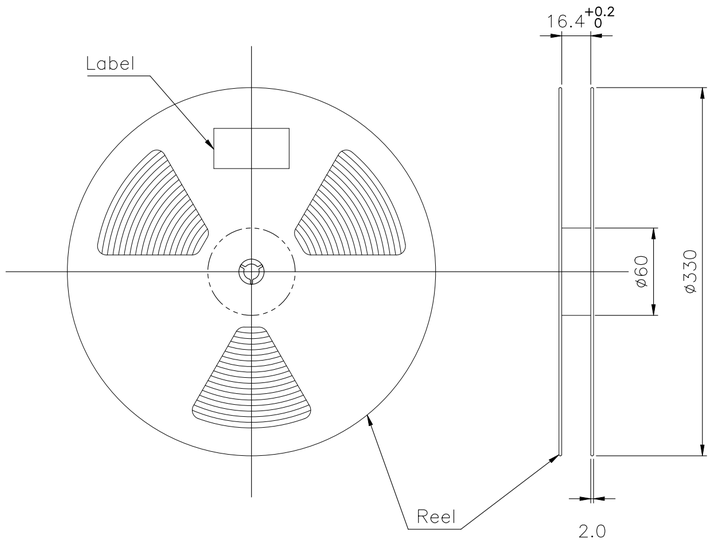
* THE DIMENSION OF CARRIER TAPE, COVER TAPE AND REEL *



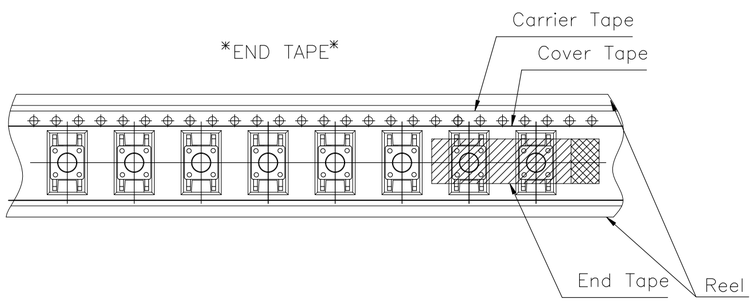


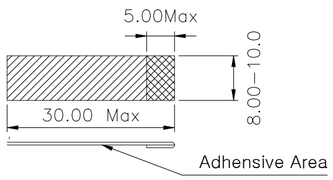




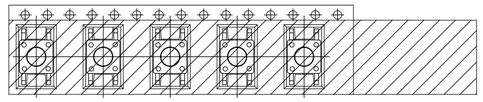


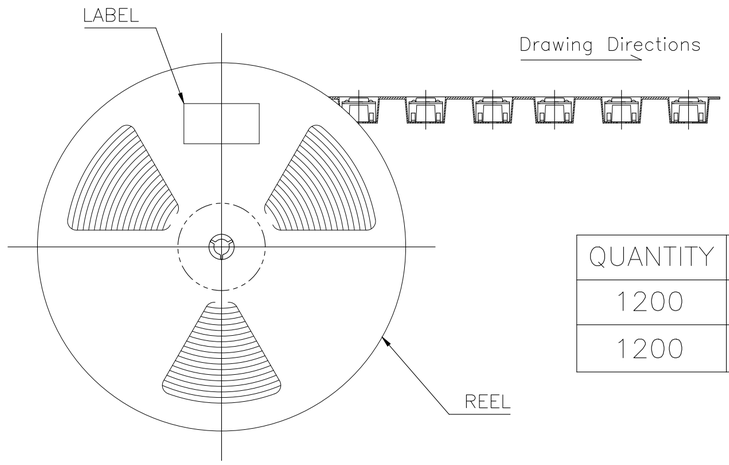
END TAPE





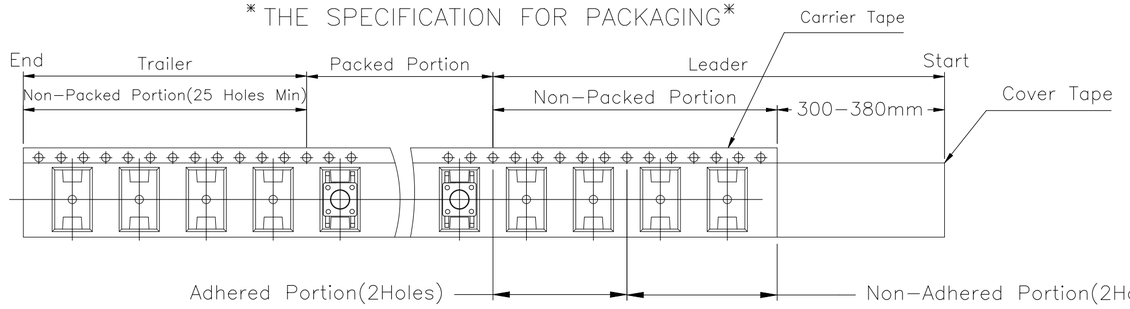
* THE DIRECTION OF PILOT HOLES *





QUANTITY	TCPN P/N
1200	1977265–6
1200	1977265–7

* THE SPECIFICATION FOR PACKAGING *



NOTE:
1. 1,200pcs switches per 1 reel
2. General tolerance : ±0.1mm

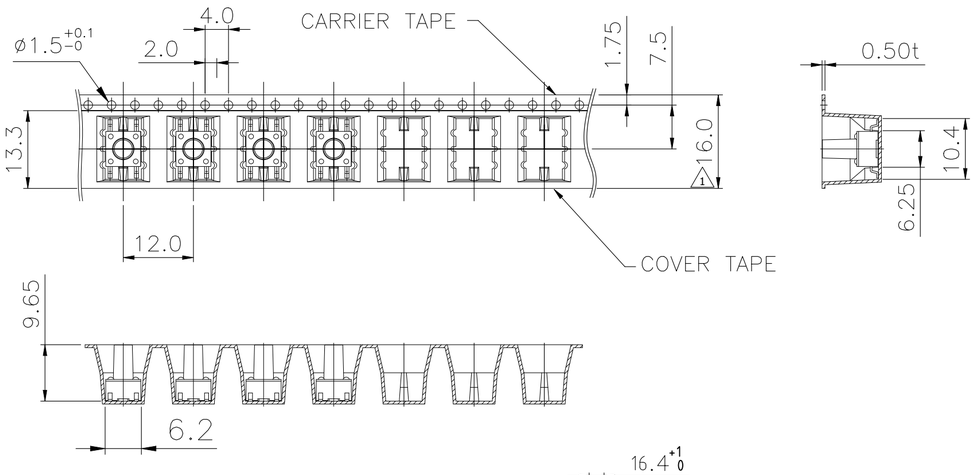
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 11APR2025	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30 ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK MANOJ YADAV 11APR2025	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT – –
		APVD MANOJ YADAV 11APR2025	
		PRODUCT SPEC —	
		APPLICATION SPEC —	SIZE A2 · CAGE CODE 00779 · DRAWING NO C-1977265 · RESTRICTED TO —
MATERIAL SEE TABLE 1	FINISH –	WEIGHT —	
CUSTOMER DRAWING		SCALE 8:1	SHEET 6 OF 7 · REV C1

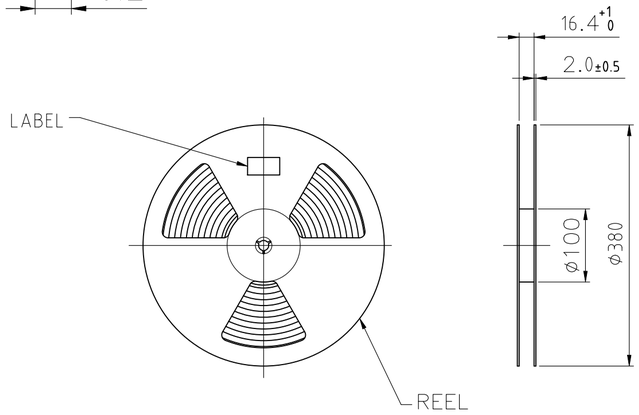
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PACKAGING DRAWING

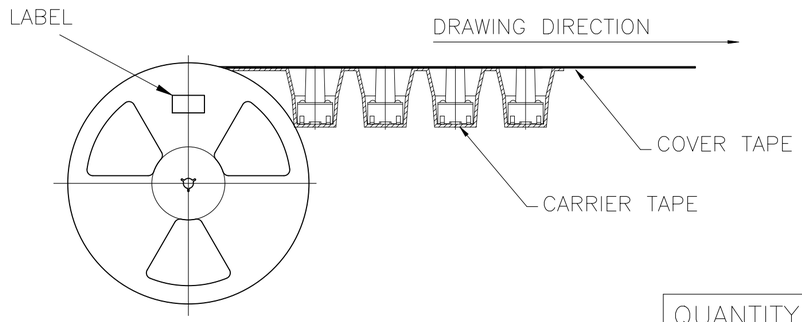
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—





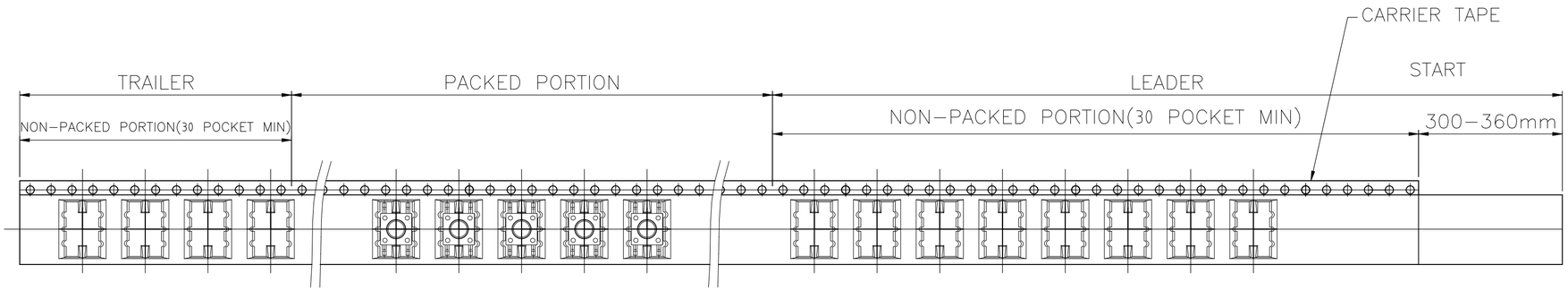
–THE DIMENSION OF CARRIER TAPE–

* THE SPECIFICATION FOR PACKAGING *



–THE DIRECTION OF PILOT HOLES–

QUANTITY	TCPN P/N
750	1977265–8
750	1977265–9



–THE SPECIFICATION FOR PACKAGING–

NOTE

1. 750PCS SWITCHES PER 1 REEL
2. BOBBIN COLOR & CARRIER TAPE COLOR: BLACK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 11APR2025 LINGANATHAN P	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.30 ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± –	CHK 11APR2025 MANOJ YADAV	NAME 6.0X6.0MM SEALED TACT SWITCH, SMT – –
		APVD 11APR2025 MANOJ YADAV	SIZE A2 · CAGE CODE 00779 · DRAWING NO C–1977265 · RESTRICTED TO —
		PRODUCT SPEC —	
		APPLICATION SPEC —	
MATERIAL SEE TABLE 1	FINISH –	WEIGHT –	CUSTOMER DRAWING · SCALE 8:1 · SHEET 7 OF 7 · REV C1

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