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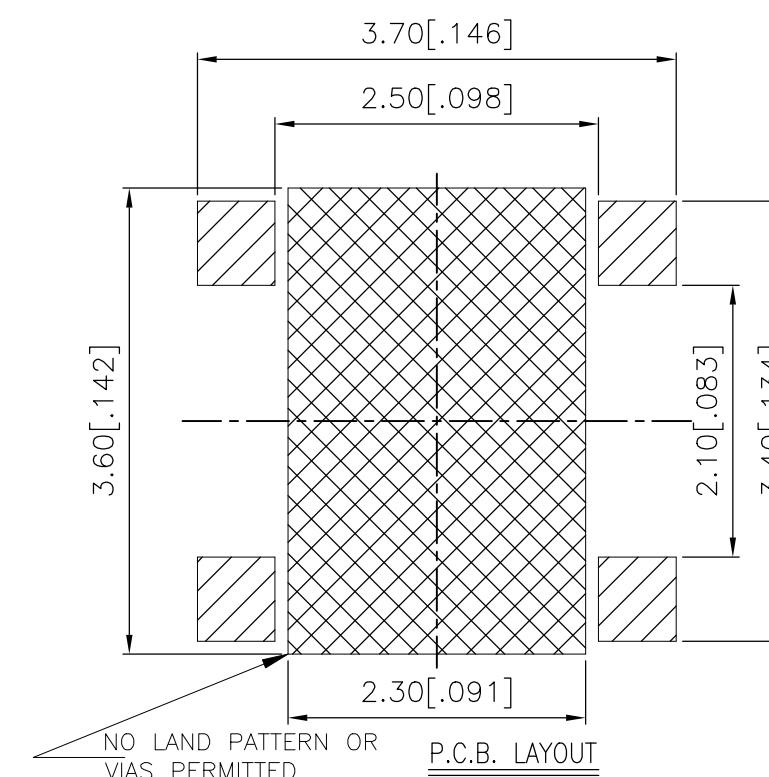
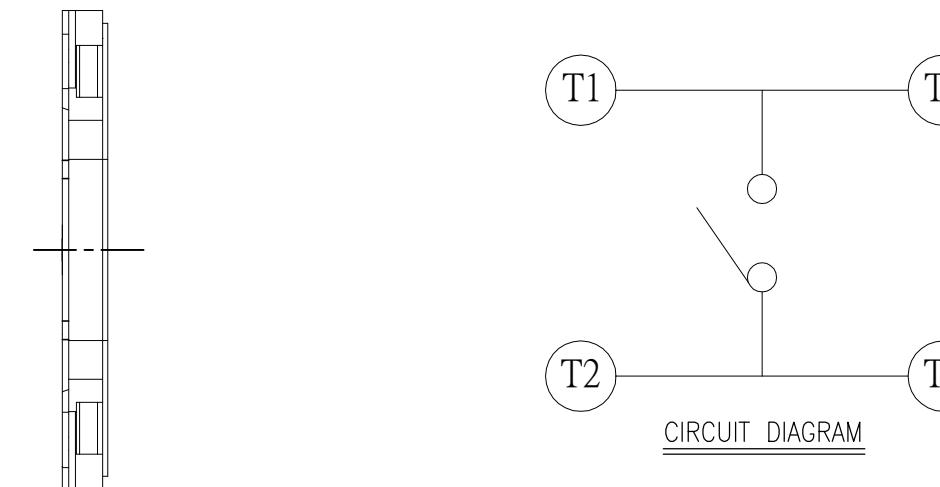
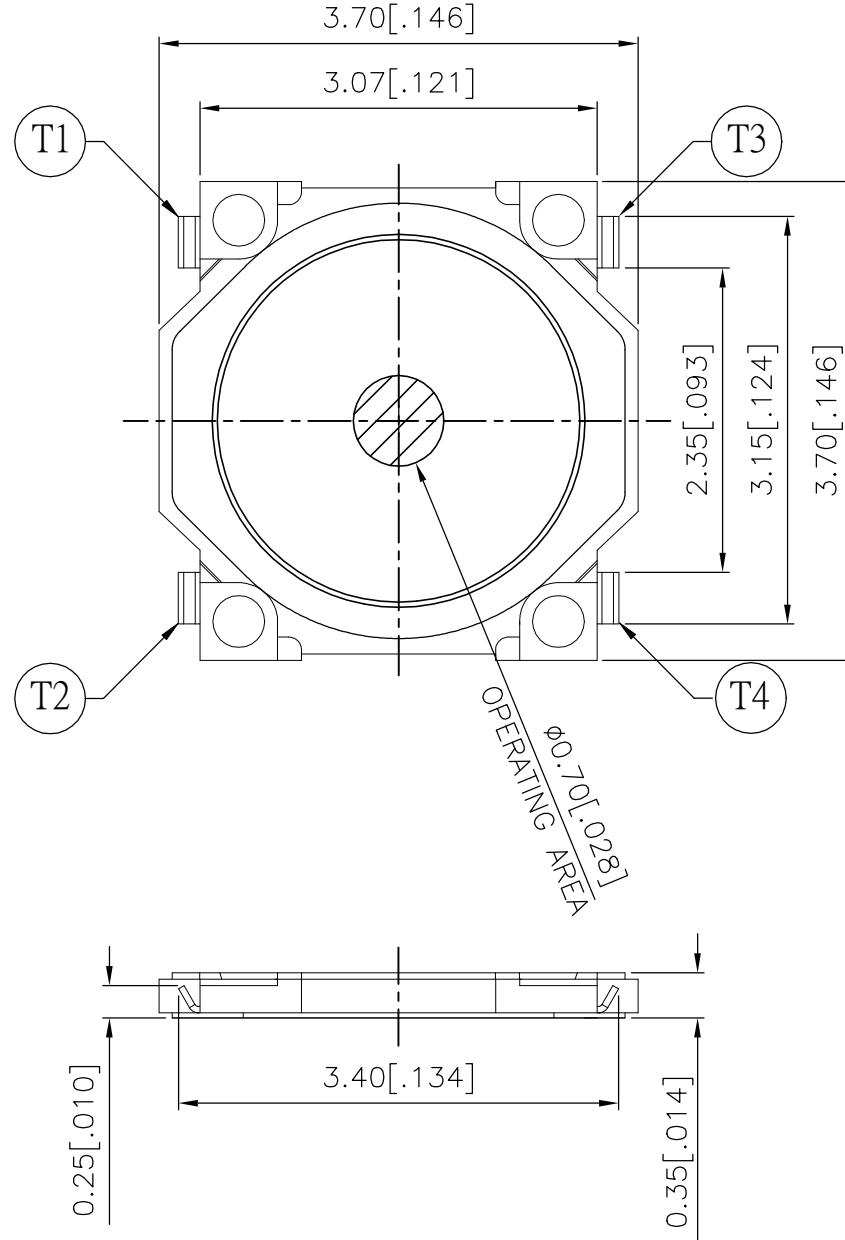
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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
1		NEW DRAWING	04JUL2018	GCM	AS



235±60	USLPT3737AL5TR	2337229-2
160±50	USLPT3737AL2TR	2337229-1
ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 04JUL2018	NAME SWITCH, TACTILE, LOW-PROFILE, ULTRA-MINI, 3.7 x 3.7 x 0.35, J BEND
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK ALEXANDER SHARPE 04JUL2018	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES	± - ± - ± 0.2 [.008] ± - ± - ± -	APVD ALEXANDER SHARPE 04JUL2018	
MATERIAL	FINISH	PRODUCT SPEC — APPLICATION SPEC —	
		WEIGHT —	SIZE A3 CAGE CODE 00779 DRAWING NO C-2337229 RESTRICTED TO —
		CUSTOMER DRAWING	SCALE NTS SHEET 1 OF 3 REV 1

PRELIMINARY

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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

## NOTES:

## 1. MATERIALS:

TERMINAL: COPPER ALLOY, SILVER FINISH  
 BASE: THERMOPLASTIC, UL 94V-0, BLACK  
 TAPE: POLYIMIDE  
 CONTACT: STAINLESS STEEL, SILVER FINISH

## 2. COMPLIANCE:

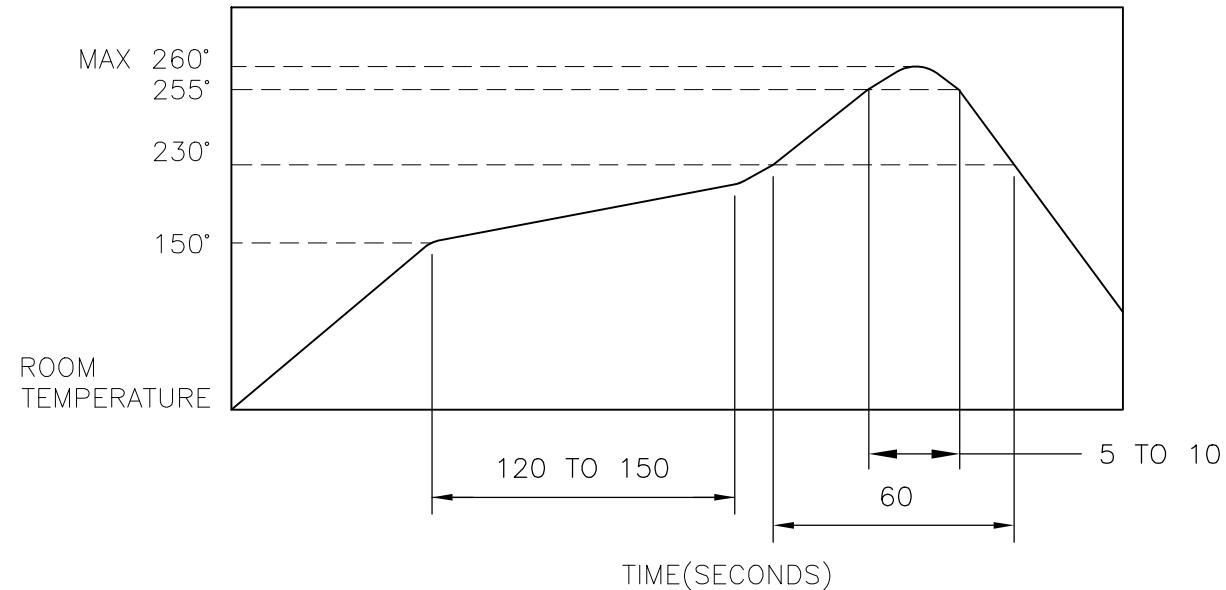
ALL MATERIALS AND FINISHES SHALL COMPLY WITH  
 EU DIRECTIVE 2002/95/EC OF 27JAN2003(RoHS)

## 3. SPECIFICATIONS:

RATING: 50 mA, 12V DC  
 CONTACT RESISTANCE: 100mΩ MAXIMUM (INITIAL)  
 INSULATION RESISTANCE: 100MΩ MINIMUM (INITIAL)  
 DIELECTRIC STRENGTH: 100 V AC, 1 MINUTE  
 OPERATING LIFE: 2337229-1 (160gf) = 500,000 CYCLES WITH LOAD  
 2337229-2 (235gf) = 50,000 CYCLES WITH LOAD  
 TRAVEL: 0.15±0.1 [.006±.004]  
 ACTUATION FORCE: 2337229-1 = 160±50gf  
 2337229-2 = 235±60gf  
 OPERATING TEMPERATURE: -40° TO 85°C  
 STORAGE TEMPERATURE: -20° TO 60°C (WITHIN TAPE PACKAGING)

## 4. SOLDER CONDITIONS:

SMT:



THE CONDITION NOTED ABOVE IS THE TEMPERATURE OF THE COPPER FOIL ON THE SURFACE OF THE PCB. THERE ARE CASES WHERE THE TEMPERATURE OF THE BOARD GREATLY DIFFERS FROM THE SURFACE OF THE SWITCH. DO NOT ALLOW THE SURFACE TEMPERATURE OF THE SWITCH TO EXCEED 260°C.

## MANUAL SOLDERING:

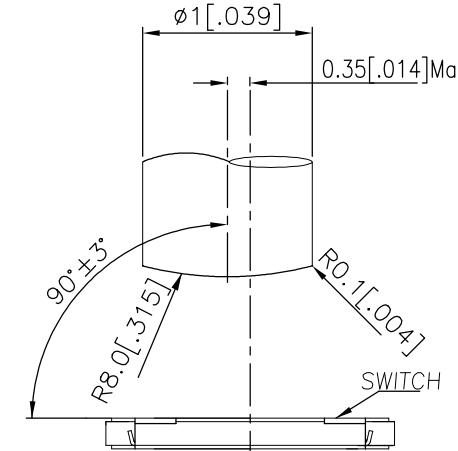
SOLDERING TEMPERATURE	350°C MAXIMUM
CONTINUOUS SOLDERING TIME	5 SECONDS MAXIMUM

## HANDLING PRECAUTIONS:

1. CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE TOP SURFACE OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
2. DO NOT WASH THE SWITCH

## 5. OPERATING PRECAUTIONS:

1. DO NOT ACTUATE THE SWITCH WITH EXCESSIVE FORCE
2. DISCONTINUE FORCE AFTER THE SWITCH HAS BEEN ACTUATED SO AS TO AVOID DEFORMATION OF THE COMPONENTS OF THE SWITCH. DEFORMATION OF THE COMPONENTS MAY CAUSE THE SWITCH TO MALFUNCTION.
3. ALIGN THE PLUNGER WITH THE SWITCH TO INSURE PROPER OPERATION



## RECOMMENDED OPERATING CONDITIONS

## 6. STORAGE CONDITIONS:

AVOID THE FOLLOWING AS EXPOSURE MAY AFFECT THE PERFORMANCE AND/OR THE SOLDERABILITY OF THE SWITCH:

1. TEMPERATURE OF -10° TO 40°C AND 85% HUMIDITY
2. EXPOSURE TO CORROSIVE GAS
3. STORAGE OVER 6 MONTHS
4. EXPOSURE TO DIRECT SUNLIGHT

STORAGE CONDITIONS SHOULD PREVENT HEAVY IMPACT OR LOADING

AFTER OPENING THE PACKAGE, UNUSED SWITCHES MUST BE REPACKAGED IN A MOISTURE-PROOF AND AIRTIGHT ENVIRONMENT.

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DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	04JUL2018 GANESH C M
	0 PLC	± -		CHK 04JUL2018 ALEXANDER SHARPE
1 PLC	± -			APVD 04JUL2018 ALEXANDER SHARPE
2 PLC	± 0.2 [.008]			PRODUCT SPEC —
3 PLC	± -			APPLICATION SPEC —
4 PLC	± -	± -		
ANGLES				
MATERIAL	FINISH	—	SIZE	CAGE CODE
	—	—	A3	00779 C-2337229
			SCALE	NTS
			SHEET	2 OF 3
			REV	1

PRELIMINARY

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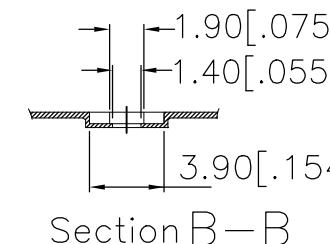
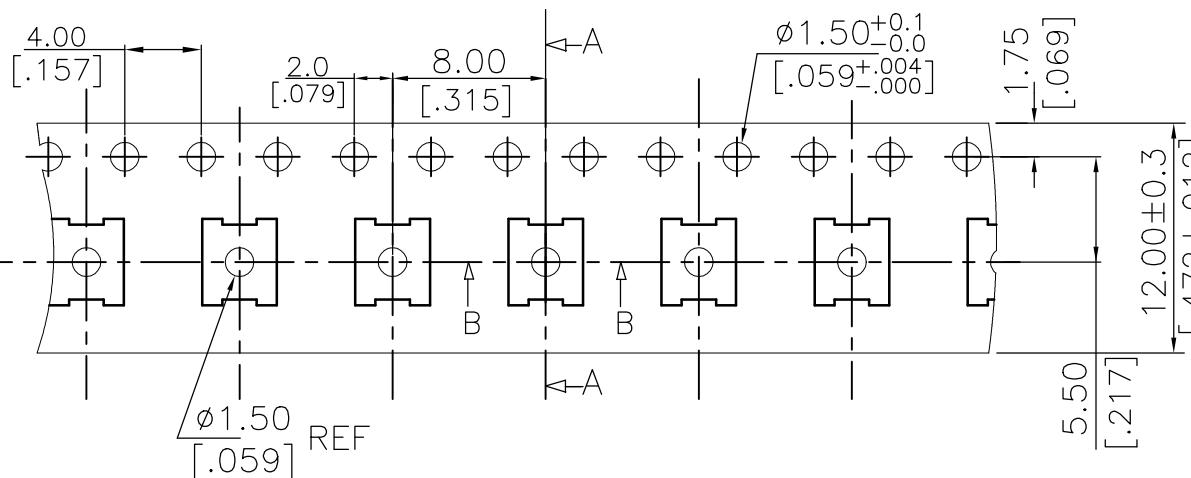
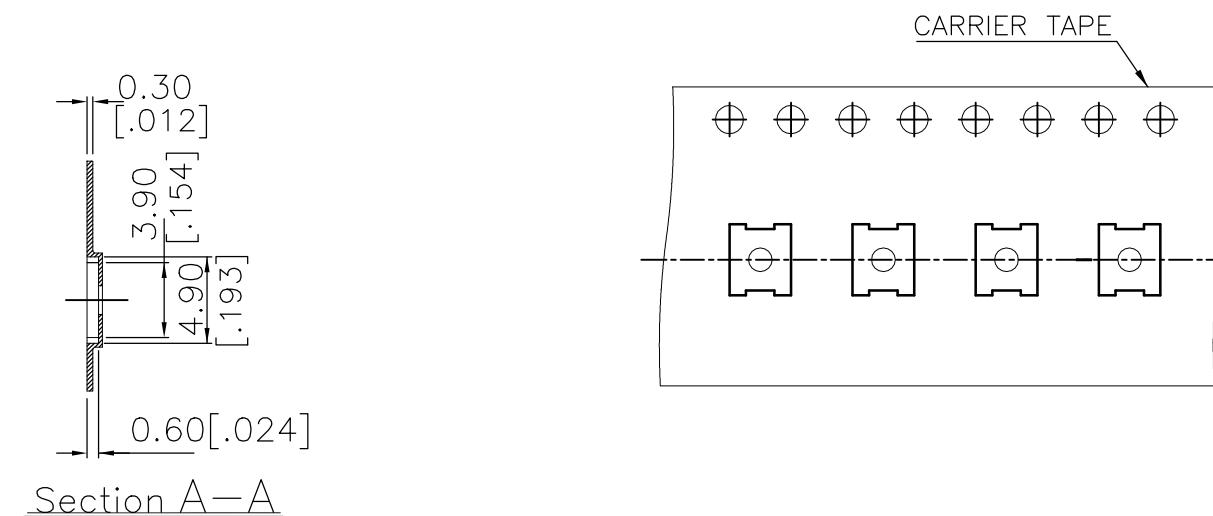
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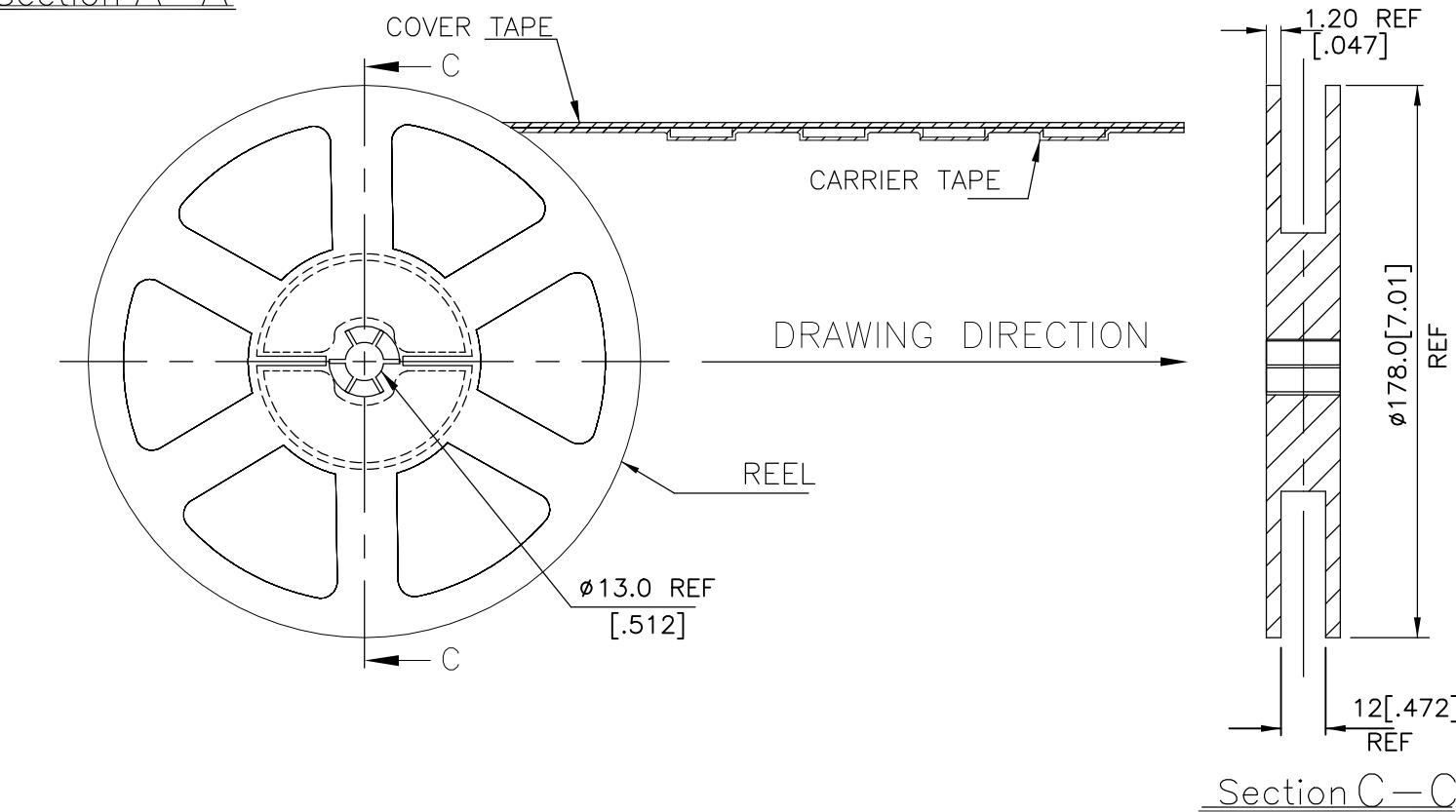
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PACKAGING:

3,000 SWITCHES PER REEL

THE DIMENSIONS OF CARRIER TAPE AND REELORIENTATION OF PILOT HOLES

Section A-A



Section C-C

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 04JUL2018 GANESH C M		NAME SWITCH, TACTILE, LOW-PROFILE, ULTRA-MINI, 3.7 x 3.7 x 0.35, J BEND	TE Connectivity Ltd.		
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:					
0 PLC ± -		04JUL2018 CHK ALEXANDER SHARPE					
1 PLC ± -		04JUL2018 APVD ALEXANDER SHARPE					
2 PLC ± 0.2 [0.008]		04JUL2018 PRODUCT SPEC —					
3 PLC ± -		APPLICATION SPEC —					
4 PLC ± -		MATERIAL					
ANGLES ± -		FINISH		SIZE CAGE CODE DRAWING NO A3 00779 C-2337229			
MATERIAL -		WEIGHT -		RESTRICTED TO —			
CUSTOMER DRAWING		SCALE NTS		SHEET 3 OF 3			
REV 1							

PRELIMINARY