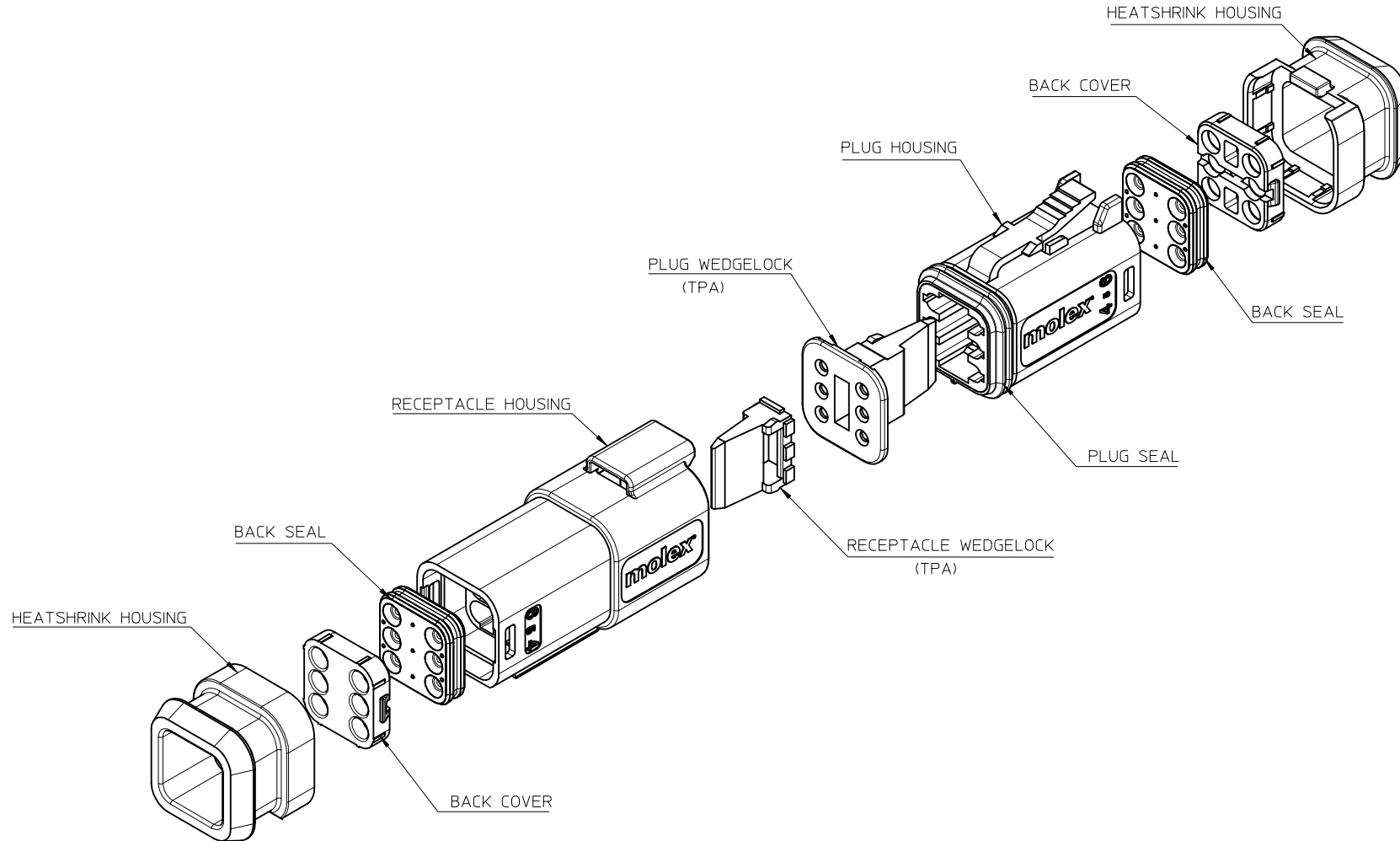


EM-93444-0040

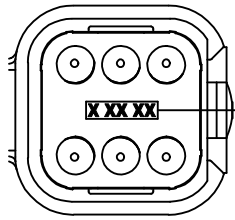
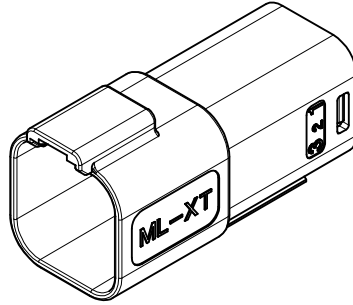
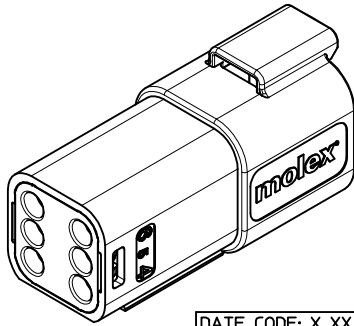


NOTES

1. SEE SHEETS 2 TO 7 FOR UNSPECIFIED NOTES, DIMENSIONS AND PART NUMBERS

PROPOSED EC NO: IPG2015-1746 DRWN: JFLETCHER 2015/04/07 CHKD: APPR: JWALLACE 2015/07/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm		INCH		DRAWN BY DATE JFLETCHER 2014/04/23		TITLE 6CCT ML-XT CV CONNECTOR			
				4 PLACES ± ---		± ---		CHECKED BY DATE					
				3 PLACES ± ---		± ---		APPROVED BY DATE JWALLACE 2014/10/01		molex			
				2 PLACES ± 0.10		± ---							
				1 PLACE ± 0.20		± ---							
				0 PLACE ± ---		± ---							
			ANGULAR ± 2 °				MATERIAL NO.		DOCUMENT NO.				SHEET NO.
SEE NOTES				SD-93443-004		1 OF 7							
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

6CCT RECEPTACLE CONNECTOR



DETAIL 1
(ROTATED 90°)

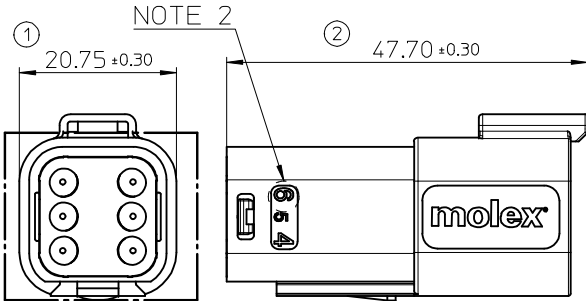
DATE CODE: X XX XX

X — DAY: 1 - 7

X — WEEK: 01 - 52

X — YEAR: 00 - 99

EXAMPLE: 11315 = DAY 1 OF WEEK 13 OF YEAR 15
i.e. 23rd OF MARCH 2015



DETAIL 1

NOTES

1. MATERIAL
HOUSING: NYLON 30%GF
SEAL: HIGH CONSISTENCY RUBBER
 2. CIRCUIT IDENTIFICATION
 3. JACKET RANGE LARGE = $\varnothing 2.7\text{MM}$ TO 3.6MM (SEAL COLOUR: LIGHT BLUE)
JACKET RANGE SMALL = $\varnothing 1.4\text{MM}$ TO 2.7MM (SEAL COLOUR: BURNT ORANGE)
 4. SEE SHEET 3 FOR FINAL PART NUMBER DESIGNATION
 5. SEE PS-93443-001 FOR PRODUCT SPECIFICATION
 6. SEE PK-93443-001 FOR PACKAGING SPECIFICATION
- LAST INSPECTION NUMBER: 5
INSPECTION NUMBERS 1-50 RESERVED FOR SHEET 2

SEE SHEET 1
EC NO: IPG2015-1746
DRWN: JFLETCHER 2015/04/07
CHKD:
APPR: J WALLACE 2015/07/16

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.20	± ---
0 PLACE	± ---	± ---

ANGULAR $\pm 2^\circ$
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY JFLETCHER DATE 2014/04/23
CHECKED BY DATE

APPROVED BY J WALLACE DATE 2014/10/01
MATERIAL NO.

SEE NOTES

SCALE
1.5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
6CCT ML-XT CV CONNECTOR

molex

DOCUMENT NO. SD-93443-004

SHEET NO.
2 OF 7

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

6CCT RECEPTACLE CONNECTOR

93444

4

-

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SERIES NO.

CIRCUIT SIZE
4 = 6cct

ASSEMBLY OPTIONS

- 1 = RECEP ASSEMBLY FOR WIRE JACKET RANGE: ϕ 1.4mm-2.7mm (NOTE 2)
2 = RECEP ASSEMBLY FOR WIRE JACKET RANGE: ϕ 2.7mm-3.6mm (NOTE 2)
5 = RECEP ASSEMBLY & HEATSHR FOR WIRE JACKET RANGE: ϕ 1.4mm-2.7mm (NOTE 3)
6 = RECEP ASSEMBLY & HEATSHR FOR WIRE JACKET RANGE: ϕ 2.7mm-3.6mm (NOTE 3)

COLOUR

- 01=BLACK
02=GREY
03=GREEN
04=BLUE
05=YELLOW
06=WHITE
07=BROWN
08=ORANGE
09=RED

EXAMPLE:

6cct RECEP BLACK WITH LARGE SEAL AND HEATSHRINK 93444-4601

NOTES

1. SEE SHEET 2 FOR UNSPECIFIED NOTES AND DIMENSIONS
2. BACK COVER HOUSING COLOUR: BLACK
3. HEATSHRINK HOUSING COLOUR: BLACK

SEE SHEET 1	EC NO: IPG2015-1746	2015/04/07	2015/07/16
	DRWN: JFLETCHER	CHKD:	APPR: JWALLACE
3	REV	DESCRIPTION	QUALITY SYMBOLS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.10	$\pm$ ---
1 PLACE	$\pm$ 0.20	$\pm$ ---
0 PLACE	$\pm$ ---	$\pm$ ---

ANGULAR $\pm 2^\circ$ DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JFLETCHER	2014/04/23
CHECKED BY	DATE

APPROVED BY	DATE
JWALLACE	2014/10/01
MATERIAL NO.	

SEE NOTES

SCALE
1.5:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

6CCT ML-XT CV CONNECTOR

molex

DOCUMENT NO.

SD-93443-004

SHEET NO.

3 OF 7

10 9 8 7 6 5 4 3 2 1

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F

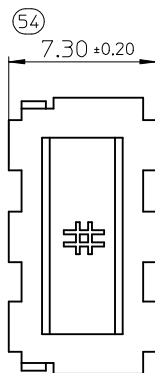
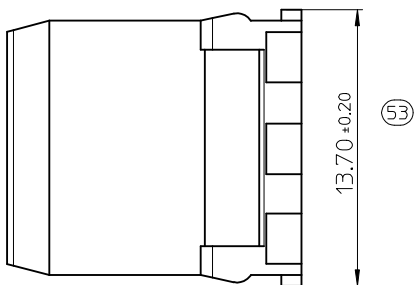
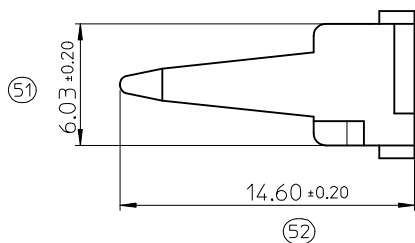
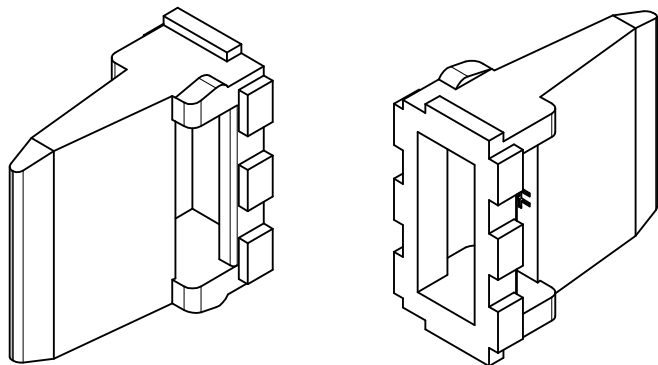
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6CCT RECEPTACLE WEDGELOCK

SERIES NO.	93447	4	0	--
CIRCUIT SIZE	4 = 6cct			
COLOUR/CODING	03=GREEN			

NOTES

1. MATERIAL

HOUSING: NYLON 30% GF

2. INSPECTION NUMBERS 51-100

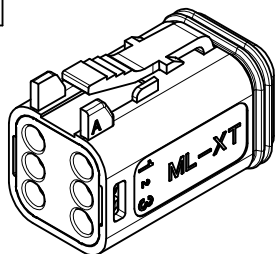
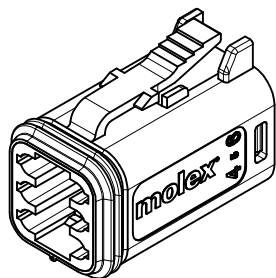
RESERVED FOR SHEET 4

LAST INSPECTION NUMBER 54

SEE SHEET 1 EC NO: IPG2015-1746 DRWN: JFLETCHER 2015/04/07 CHKD: APPR: JWALLACE 2015/07/16	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 		TITLE 6CCT ML-XT CV CONNECTOR				
				mm	INCH	DRAWN BY JFLETCHER	DATE 2014/04/23	CHECKED BY DATE								
			4 PLACES	± ---	± ---											
			3 PLACES	± ---	± ---											
			2 PLACES	± 0.10	± ---	APPROVED BY JWALLACE					DATE 2014/10/01					
			1 PLACE	± 0.20	± ---											
0 PLACE	± ---	± ---														
			ANGULAR ± 2 °			MATERIAL NO.		DOCUMENT NO.					SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE NOTES		SD-93443-004					4 OF 7			
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

9 8 7 6 5 4 3 2 1

6CCT PLUG CONNECTOR



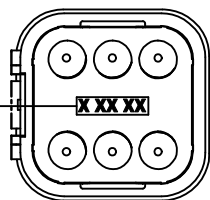
DATE CODE: X XX XX

X — DAY: 1 - 7

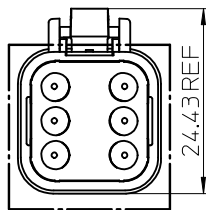
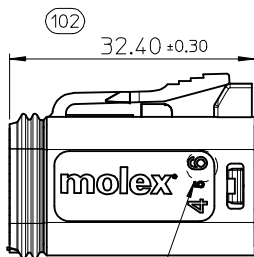
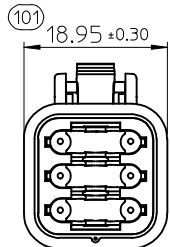
X — WEEK: 01 - 52

X — YEAR: 00 - 99

EXAMPLE: 11315 = DAY 1 OF WEEK 13 OF YEAR 15
i.e. 23rd OF MARCH 2015



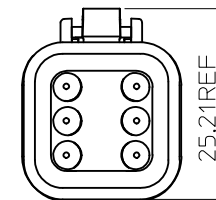
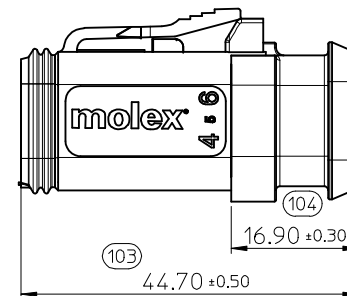
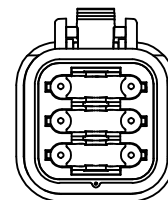
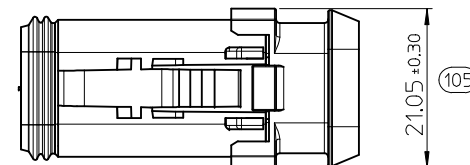
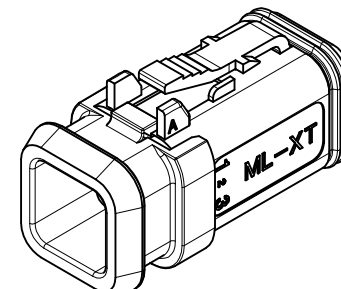
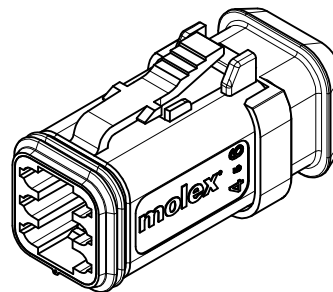
DETAIL 2
(ROTATED 90°)



NOTE 2

DETAIL 2

6CCT PLUG CONNECTOR WITH
HEATSHRINK HOUSING ULTRASONICALLY
WELDED IN PLACE



NOTES

- MATERIAL:
HOUSING: NYLON 30% GF
PLUG SEAL: SILICONE RUBBER
BACK SEAL: HIGH CONSISTENCY RUBBER
- CIRCUIT IDENTIFICATION
- JACKET RANGE LARGE = $\varnothing 2.7\text{MM}$ TO 3.6MM (SEAL COLOUR: LIGHT BLUE)
JACKET RANGE SMALL = $\varnothing 1.4\text{MM}$ TO 2.7MM (SEAL COLOUR: BURNT ORANGE)
- SEE SHEET 6 FOR FINAL PART NUMBER DESIGNATION
- INSPECTION NUMBERS 101-150 RESERVED FOR SHEET 5
LAST INSPECTION NUMBER 105

REV	DESCRIPTION	DATE	BY	APP
1	SEE SHEET 1	2015/04/07	JFLETCHER	JWALLACE
2	EC NO: IPG2015-1746	2015/07/16	CHKD:	

QUALITY SYMBOLS
$\nabla = 0$
$\nabla = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.10
3 PLACES	± 0.15
2 PLACES	± 0.20
1 PLACE	± 0.25
0 PLACE	± 0.30
ANGULAR $\pm 2^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JFLETCHER	2014/04/23
CHECKED BY	DATE
APPROVED BY	DATE
JWALLACE	2014/10/01
MATERIAL NO.	
SEE NOTES	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1.5:1	METRIC	
TITLE		
6CCT ML-XT CV CONNECTOR		
DOCUMENT NO.		
SD-93443-004		
SHEET NO.		
5 OF 7		

molex

10 9 8 7 6 5 4 3 2 1

F

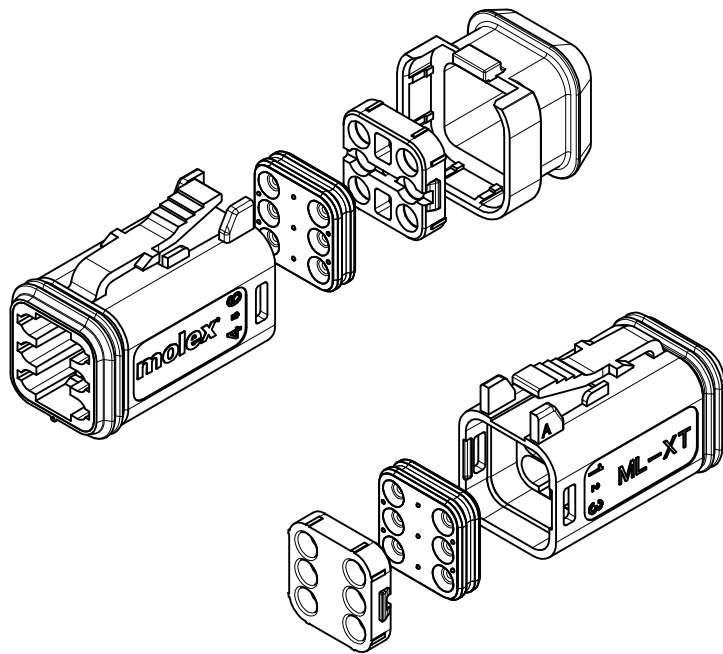
E

D

C

B

A



6CCT PLUG CONNECTOR

SERIES NO.

93445

CIRCUIT SIZE
4 = 6cct

4

-

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ASSEMBLY OPTIONS

- 1 = PLUG ASSEMBLY FOR WIRE JACKET RANGE: ϕ 1.4mm-2.7mm (NOTE 2)
2 = PLUG ASSEMBLY FOR WIRE JACKET RANGE: ϕ 2.7mm-3.6mm (NOTE 2)
5 = PLUG ASSEMBLY & HEATSHR FOR WIRE JACKET RANGE: ϕ 1.4mm-2.7mm (NOTE 3)
6 = PLUG ASSEMBLY & HEATSHR FOR WIRE JACKET RANGE: ϕ 2.7mm-3.6mm (NOTE 3)

COLOUR

- 01=BLACK
02=GREY
03=GREEN
04=BLUE
05=YELLOW
06=WHITE
07=BROWN
08=ORANGE
09=RED

EXAMPLE:

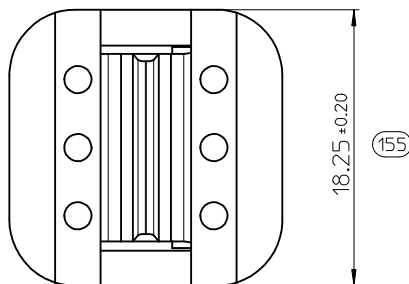
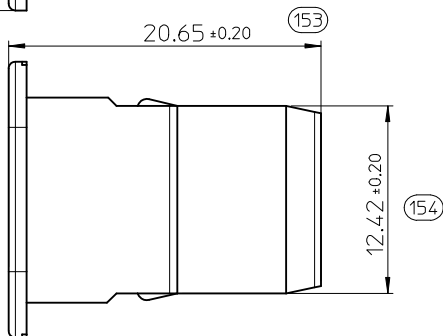
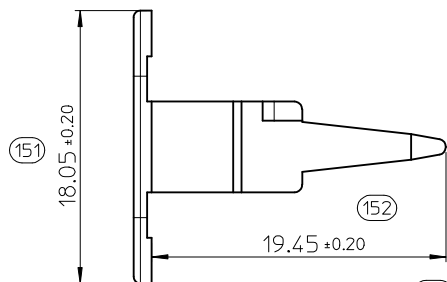
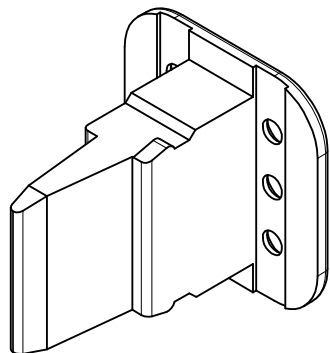
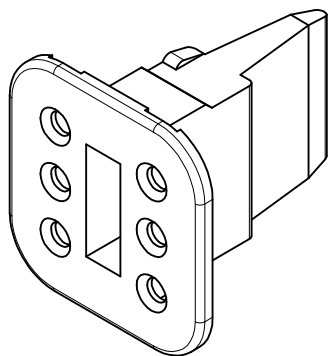
6cct PLUG BLACK WITH LARGE SEAL AND HEATSHRINK = 93445-4601

NOTES

1. SEE SHEET 5 FOR UNSPECIFIED NOTES AND DIMENSIONS
2. BACK COVER HOUSING COLOUR: BLACK
3. HEATSHRINK HOUSING COLOUR: BLACK

SEE SHEET 1 EC NO: IPG2015-1746 DRWN: JFLETCHER CHKD: APPR: JWALLACE REV	DESCRIPTION 2015/04/07 2015/07/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JFLETCHER	DATE 2014/04/23	TITLE 6CCT ML-XT CV CONNECTOR						
			4 PLACES	± ---	± ---	CHECKED BY	DATE							
			3 PLACES	± ---	± ---	APPROVED BY JWALLACE		DATE 2014/10/01	molex					
			2 PLACES	± 0.10	± ---	MATERIAL NO.		DOCUMENT NO.						SHEET NO.
			1 PLACE	± 0.20	± ---	SEE NOTES		SD-93443-004						6 OF 7
			0 PLACE	± ---	± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ± 2 °											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														

9 8 7 6 5 4 3 2 1



6CCT PLUG WEDGELOCK

SERIES NO.

93448

4

0

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CIRCUIT SIZE
4 = 6cct

COLOUR/CODING
03=GREEN

NOTES

1. MATERIAL

HOUSING: NYLON 30% GF

2. INSPECTION NUMBERS 151-200 RESERVED FOR SHEET 7

LAST INSPECTION NUMBER 155

REV	DESCRIPTION	DATE	BY	CHKD	APPR
1	SEE SHEET 1	2015/07/16	JWALLACE		
2	EC NO: IPG2015-1746	2015/04/07	JFLETCHER		

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± 0.10
1 PLACE	± 0.20
0 PLACE	± ---
ANGULAR ± 2 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JFLETCHER	2014/04/23
CHECKED BY	DATE
APPROVED BY	DATE
JWALLACE	2014/10/01
MATERIAL NO.	
SEE NOTES	

SCALE 3:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE 6CCT ML-XT CV CONNECTOR			
molex			
DOCUMENT NO. SD-93443-004			SHEET NO. 7 OF 7
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

molex