

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0334861601](#)
Status: **Active**
Overview: [mx150_sealed_connector_system](#)
Description: 3.50mm (.138") Pitch MX150™ Hybrid Sealed Male Connector, Dual Row, 16 Circuits, Polarization A, without Connector Position Assurance, Black



Series

image - Reference only

Documents:

[3D Model](#)
[Application Specification \(PDF\)](#)
[Drawing \(PDF\)](#)
[Product Specification PS-33476-000 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Crimp Housings
Series [33486](#)
Comments No Connector Position Assurance (CPA), Hybrid
More Detailed Tech Information <http://ewcap.uscarteams.org>
Overview [mx150_sealed_connector_system](#)
Product Name MX150™

Physical

Circuits (maximum) 16
Circuits Detail 16
Color - Resin Black, Natural
Gender Male
Glow-Wire Compliant No
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Resin Modified Polystyrene Alloy
Number of Rows 2
Packaging Type Bag
Panel Mount No
Pitch - Mating Interface (in) 0.138 In
Pitch - Mating Interface (mm) 3.50 mm
Polarized to Mating Part Yes
Stackable No
Temperature Range - Operating -40°C to +125°C

Electrical

Current - Maximum per Contact 22A

Material Info

Reference - Drawing Numbers

[Application Specification](#) AS-33472-100
[Packaging Specification](#) PK-31300-514
[Product Specification](#) PS-33476-000
[Sales Drawing](#) ES-E1AB-14A485-AA, SD-33486-161

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

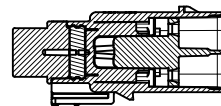
[33486Series](#)

Mates With

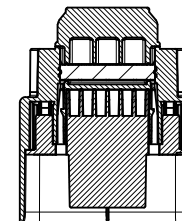
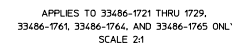
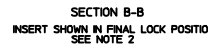
[33476](#) Female Dual Row Hybrid Sealed
Connector

Use With

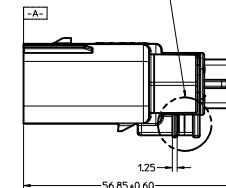
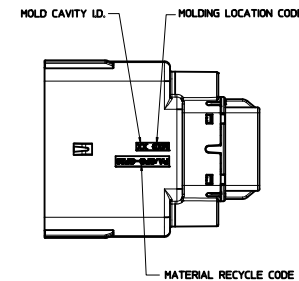
[33000](#) MX150™ Tin (Sn) Male Terminal,
[33011](#) Gold (Au) Male Terminal



SECTION B-B
INSERT SHOWN IN PRE-LOCK POSITION
SEE NOTE 2



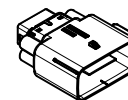
SECTION A-A



- NOTES: UNLESS OTHERWISE STATED

1. DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY SPECIFIED IN DRAWING SD-33476-161.
2. ASSEMBLY SHIPPED WITH BLADE INSERT IN PRE-LOCKED POSITION (SEE SECTION 9-B PRE-LOCK). UPON FULL TERMINAL ASSEMBLY, EACH BLADE INSERT MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION. FORCE TO MOVE TPA FROM FINAL LOCK TO PRE-LOCK POSITION: 75 N MAX.
3. FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001 FOR 2.8mm RECEPTACLE TERMINALS SEE TABLE.
4. SYSTEM TO BE USED WITH WIRE WITHIN RANGE OF 15mm TO 2.5mm.
5. MATERIAL: SPS/NYLON BLEND, 20% GLASS FILLED.
6. FOR ASSEMBLIES W/SHORTING BARS, ASSEMBLE SHORTING BARS PER SPECIFICATION E-39544-001
7. SHORTING BAR TERMINAL CRIMP ANGLE MUST BE BETWEEN -14 DEG. AND +35 DEG. AFTER INSTALLATION INTO THE CONNECTOR ASSEMBLY. REFER TO MOLEX DRAWING SD-31296-001 FOR DETAILS.
8. SHALL CONFORM TO PACKAGING SPECIFICATION PK-31300-514.
9. SHALL CONFORM TO PRODUCT SPECIFICATION PS-33476-000.
10. ASSEMBLY CONFORMS TO SAE/USCAR-2 REV. 4 WITH THE FOLLOWING EXCEPTIONS:
14. AVG TERMINAL INSERTION FORCE SHALL NOT EXCEED 42 NEWTONS.

TYCO 2.8mm CABLE SEAL TERMINAL	
FORD PIN MALE BLADE	GRIP SIZE
3F2T-14421-GA	12
FIT-14421-JA	14
FIT-14421-HA	16
FIT-14421-GA	18
FIT-14421-FA	20
FIT-14421-EA	22



SCALE 1:

ENTER DESCRIPTION	
EC NO: UAU2010-1801	2010/06/04
DRWN:DGRFF ITHS	2010/06/04
CH'KD:DGRFF ITHS	07-09-02
APPR: WKOSHY	2010/06/04

DESCRIPTION	QUALITY SYMBOL
	$\nabla_{\bar{A}} = 0$
	$\nabla_{\bar{C}} = 0$
	$\nabla_{\bar{B}} = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.3	± ---

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JWESLEY	06-16-07
CHECKED BY	DATE
DGRIFFITHS	07-09-07
APPROVED BY	DATE
VKOSHY	2010/04/04

E	MATERIAL NO.	SEE CHART
	SIZE	THIS DRAWING CONTAINS INCORPORATED AND

SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
15MM/2.8MM HYBRID CONNECTOR, BLADE 2 ROW HOUSING, SEALED, 16 WAY		
 MOLEX INCORPORATED		

DOCUMENT NO.	SD-33486-161	SHEET NO.	1 OF 4
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CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
 SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SALEABLE**lb_frame_E_P_AM_T**

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	DIMENSIONS IN DEGREES		CAVITY TYPE & STATUS (X = PLUGGED, SB = SHORTING BAR)											SHORTING BAR	SB QTY	CLIPSLOT TYPE	STATUS	
			A	B	2	3	4	5	6	7	10	11	12	13	14					15
33486-1902	BLACK	A	50	50			X				X	X			X	X	X	-	-	A
33486-1903	BLACK	A	50	50	X										X	X	X	-	-	A
33486-1904	BLACK	A	50	50			X								X	X	X	-	-	A
33486-1905	BLACK	A	50	50	X		X								X	X	X	-	-	A
33486-1906	BLACK	A	50	50				X									X	-	-	A
33486-1907	YELLOW	A	50	50			X	X								X		-	-	A
33486-1908	BLACK	A	50	50			X	X								X		-	-	A
33486-1909	BLACK	A	50	50					X	X	X	X				X		-	-	A
33486-1910	BLACK	A	50	50					X	X	X	X				X		-	-	A
33486-1911	LT GRAY	B	15	50				X	X	X	X	X	X	X	X	X	X	-	-	A
33486-1912	BLACK	A	50	50	X		X						X	X	X	X	X	-	-	A
33486-1913	BLACK	A	50	50			X						X	X	X	X	X	-	-	A
33486-1914	BLACK	A	50	50	X		X						X	X	X	X	X	-	-	A
33486-1915	BLACK	A	50	50			X						X	X	X	X	X	-	-	A
33486-1916	BLACK	A	50	50			X							X	X			-	-	A
33486-1917	BLACK	A	50	50	X	X	X	X						X	X	X	X	-	-	A
33486-1918	BLACK	A	50	50	X	X	X							X	X	X	X	-	-	A
33486-1919	BLACK	A	50	50	X	X			X	X					X	X	X	-	-	A
33486-1920	BLACK	A	50	50	X	X	X								X	X	X	-	-	A
33486-1921	BLACK	A	50	50	X	X	X	X		X	X	X			X	X	X	-	-	A
33486-1922	BLACK	A	50	50	X			X	X						X	X	X	-	-	A
33486-1923	BLACK	A	50	50	X	X	X	X		X	X	X	X	X	X	X	X	-	-	A
33486-1924	BLACK	A	50	50	X	X	X	X		X	X	X	X	X	X	X	X	-	-	A
33486-1925	BLACK	A	50	50					X	X					X	X	X	-	-	A
33486-1926	BLACK	A	50	50		X	X	X	X	X	X	X	X	X	X	X	X	-	-	A
33486-1927	BLACK	A	50	50	X			X	X						X	X	X	-	-	A
33486-1928	LT GRAY	B	15	50	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	A
33486-1929	LT GRAY	B	15	50					X	X								-	-	A
33486-1930	BLACK	A	50	50	X			X	X	X	X	X	X	X	X	X	X	-	-	A
33486-1931	BLACK	A	50	50	X		X	X			X				X	X	X	-	-	A
33486-1932	BLACK	A	50	50	X		X								X	X	X	-	-	A
33486-1933	BLACK	A	50	50	X				X	X					X	X	X	-	-	A
33486-1934	BLACK	A	50	50				X	X	X	X	X	X	X	X	X	X	-	-	A
33486-1935	BLACK	A	50	50		X	X	X				X	X	X	X	X	X	-	-	A
33486-1936	BLACK	A	50	50	X			X				X	X	X	X	X	X	-	-	A
33486-1937	BLACK	A	50	50	X			X			X	X	X	X	X	X	X	-	-	A
33486-1938	BLACK	A	50	50	X				X		X	X	X	X	X	X	X	-	-	A
33486-1939	BLACK	A	50	50			X	X					X		X	X	X	-	-	A
33486-1940	BLACK	A	50	50		X	X			X	X	X	X	X	X	X	X	-	-	A
33486-1941	BLACK	A	50	50												X	X	-	-	A
33486-1942	BLACK	A	50	50	X	X		X		X	X	X	X	X	X	X	X	-	-	A
33486-1943	BLACK	A	50	50					X	X					X	X	X	-	-	A
33486-1944	LT GRAY	B	15	50			X								X			-	-	A
33486-1945	BLACK	A	50	50		X	X				X	X	X	X				-	-	A
33486-1946	BLACK	A	50	50					X			X	X	X				-	-	A
33486-1947	BLACK	A	50	50	X	X			X			X			X	X	X	-	-	A
33486-1948	BLACK	A	50	50			X									X		-	-	A
33486-1949	LT GRAY	B	15	50			X											-	-	A
33486-1950	BLACK	A	50	50						X	X				X	X	X	-	-	A
33486-1951	BLACK	A	50	50						X					X	X	X	-	-	A
33486-1952	BLACK	A	50	50							X				X	X		-	-	A
33486-1953	BLACK	A	50	50							X	X				X	X	-	-	A
33486-1954	YELLOW	H	50	32.5	X	X	SB	SB					SB	SB	X	YES	2	A	SALEABLE	
33486-1955	BLACK	A	50	50										X				-		-
33486-1956	BLACK	A	50	50					X					X	X	X		-		-
33486-1957	BLACK	A	50	50						X				X	X			-		-
33486-1958	BLACK	A	50	50							X			X				-		-

ENTER DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0004
3 PLACES	± .002	± .0001
2 PLACES	± .010	± .0004
1 PLACE	± .03	± .001

ANGULAR ± .3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MM ONLY

DATE

DATE

DATE

DATE

DATE

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

SEE CHART

SD-33486-161

15MM/2.8MM HYBRID CONNECTOR, BLADE 2 ROW HOUSING, SEALED, 16 WAY

MOLEX INCORPORATED

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

DOCUMENT NO.

SD-33486-161

SHEET NO.

4 OF 4

1b, IFRAME.E.P., AM, T
Rev. F 2009/06/18

23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1