



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-160014-001
- b. PRODUCT SPECIFICATION SEE: PS-160014-001
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31302-266
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GMW3191
 - 1. BURN RATE 100 mm/MIN MAXIMUM
 - 2. MATERIAL MUST BE SELF EXTINGUISHING

2. DESIGN - MATERIALS:

- a. MATERIAL: PA66-GF35
25% MAX REGRIND BY WEIGHT
COLOR: SEE BOM TABLE
- b. VOLUME: SEE BOM TABLE (ESTIMATED)

3. DESIGN - GEOMETRY:

- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER(S): 160030-0003, PSM
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- d. GENERAL TOLERANCES:
LINEAR: PER DIN 16901 - PRECISION ENGINEERING
ANGULAR: ±3°
- e. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- f. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- g. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
(FOR SMALL PARTS: LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

4. DESIGN - MANUFACTURING:

- a. DRAFT TO BE WITHIN TOLERANCE.
PLUS DRAFT - INDICATES A DIMENSION REPRESENTS THE SMALLEST SIZE OF A FEATURE. DRAFT WILL ADD MATERIAL.
MINUS DRAFT - INDICATES A DIMENSION REPRESENTS THE LARGEST SIZE OF A FEATURE. DRAFT WILL REMOVE MATERIAL.
- b. ALLOWABLE FLASH MAX 0.25 HIGH BY MAX 0.13 THICK.
- c. ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
- d. EJECTOR PIN MARKS TO BE FLUSH TO 0.25 MAX DEPRESSED. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING. EJECTOR PIN MARKS NOT PERMISSIBLE ON OR NEAR DATUM TARGET AREA.
- e. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- g. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

BOM TABLE

MOLEX COMPONENTS PART NUMBER	COLOR	VOLUME MM ³ ±5%
1600300003	BLACK	1851.03

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE (MM)													
		OVER UP TO	0	1	3	6	10	15	22	30	40	53	70	90	120
PRECISION ENGINEERING	A		0.10	0.12	0.14	0.16	0.20	0.22	0.24	0.26	0.28	0.31	0.35	0.40	0.50
	B		0.05	0.06	0.07	0.08	0.10	0.12	0.14	0.16	0.18	0.21	0.25	0.30	0.40

A: FOR NON-MOLD RELATED DIMENSIONS

B: FOR MOLD RELATED DIMENSIONS

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/11	13:23:22
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SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS	SCALE	CURRENT REV DESC:												
∇ = 0	mm	5:1												
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)													
∇ = 0	ANGULAR TOL ± °		EC NO: 615413								STAK50H WIRE DRESS COVER B			
∇ = 0	4 PLACES ±		DRWN: HTGUO02 2019/04/11								PRODUCT CUSTOMER DRAWING			
∇ = 0	3 PLACES ±		CHK'D: JCONDON 2019/04/11								DOCUMENT NUMBER			
∇ = 0	2 PLACES ±		APPR: JCONDON 2019/04/11								1600300003			
∇ = 0	1 PLACE ±		INITIAL REVISION:								DOC TYPE			
∇ = 0	0 PLACES ±		DRWN: HTGUO02 2019/04/10								PSD			
∇ = 0	0 PLACES ±		APPR: JCONDON 2019/04/10								DOC PART			
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
∇ = 0					A2-SIZE		160030		1600300003		GENERAL MARKET		1 OF 1	