Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MTPC-HD-RB-240V-15HP-6HP-N1

Rotary Phase Converter for 6HP Hard Loads, 240V 1PH to 3PH, 15.7 Amps Output, 15HP Idler, NEMA 1

Product ID: 242799



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MTPC-HD-RB-240V-15HP-6HP-N1 Rotary Phase Converter

Unit Type: Rotary Phase Converter
Phase Conversion: Single Phase to Three Phase
Kilowatt Rating: 11.2 KW
Kilo Volt-Amp Rating: 15 KVA
Idle Motor Horse Power: 15 HP
Single Phase Voltage Input: 240V
Minimum Fuse/Circuit Breaker Size: 30
Maximum Fuse/Circuit Breaker Size: 80
Minimum Wire (Input) to Converter: 6 AWG
Minimum Electrical Service Required: 20 KVA
Idle Amps: -
Service Load Type: Hard motor loads
Three Phase Voltage Output: 240
Maximum Single Motor Load HP: 6 HP
Recommended Combined HP: 6 HP
Optimal Output Amps: 15.7A
Maximum Output Amps: 37A
Maximum Resistive Amps: 21A
Voltage Balance: 2-5%
Minimum Wire to Device Load: 8 AWG
Form Factor: Rectangular Enclosure, Cylindrical Idler w/ Four Legs
Color: Natural Gray
Weight: - lbs
Dimensions: -
Shipping Weight: - lbs

Ratings/Approvals

Indoor Use (NEMA 1)
Built-in Motor Starter
Start/Stop Push Button Switch
Accurate Voltage Balancing
Power Indicator Light
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Shipping Dimensions: -

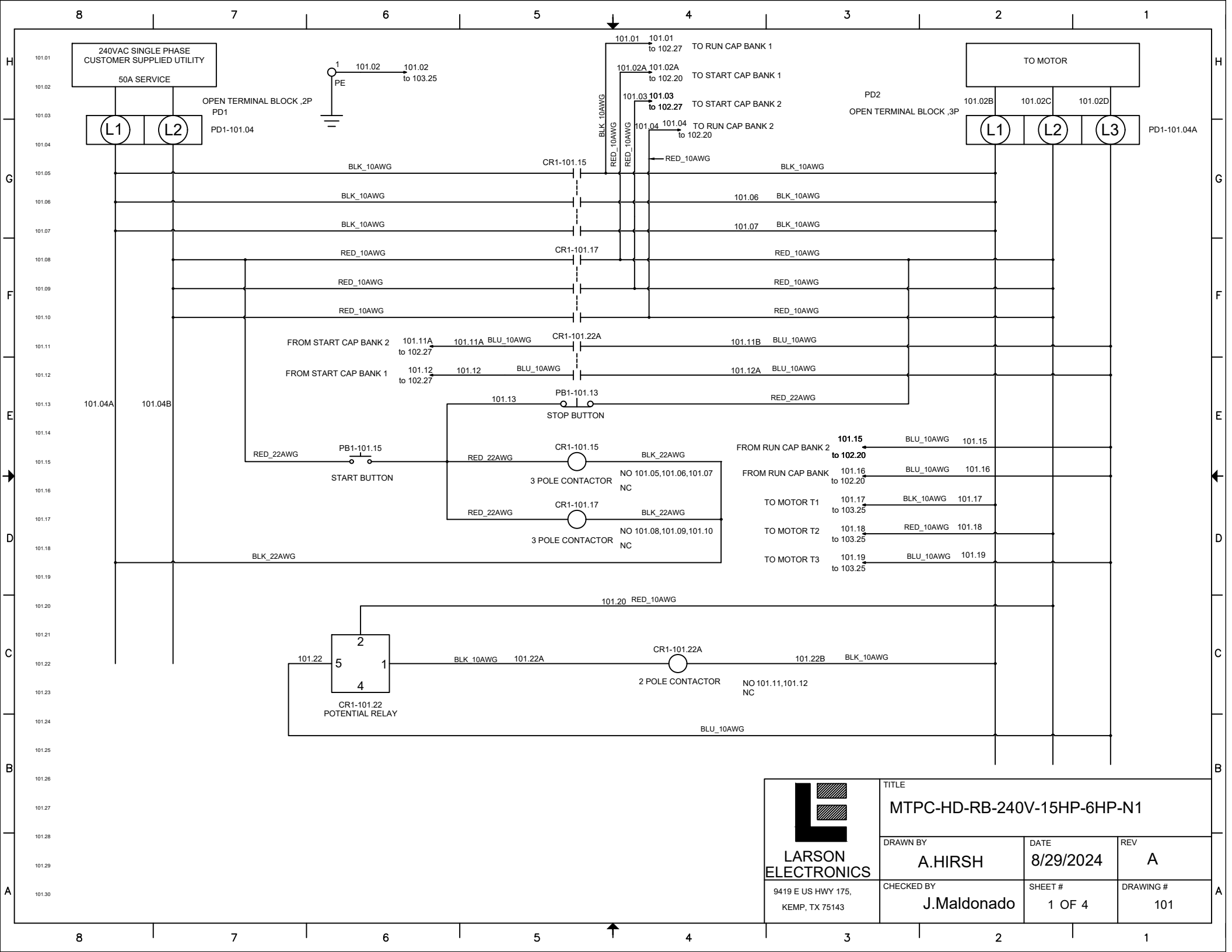
Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

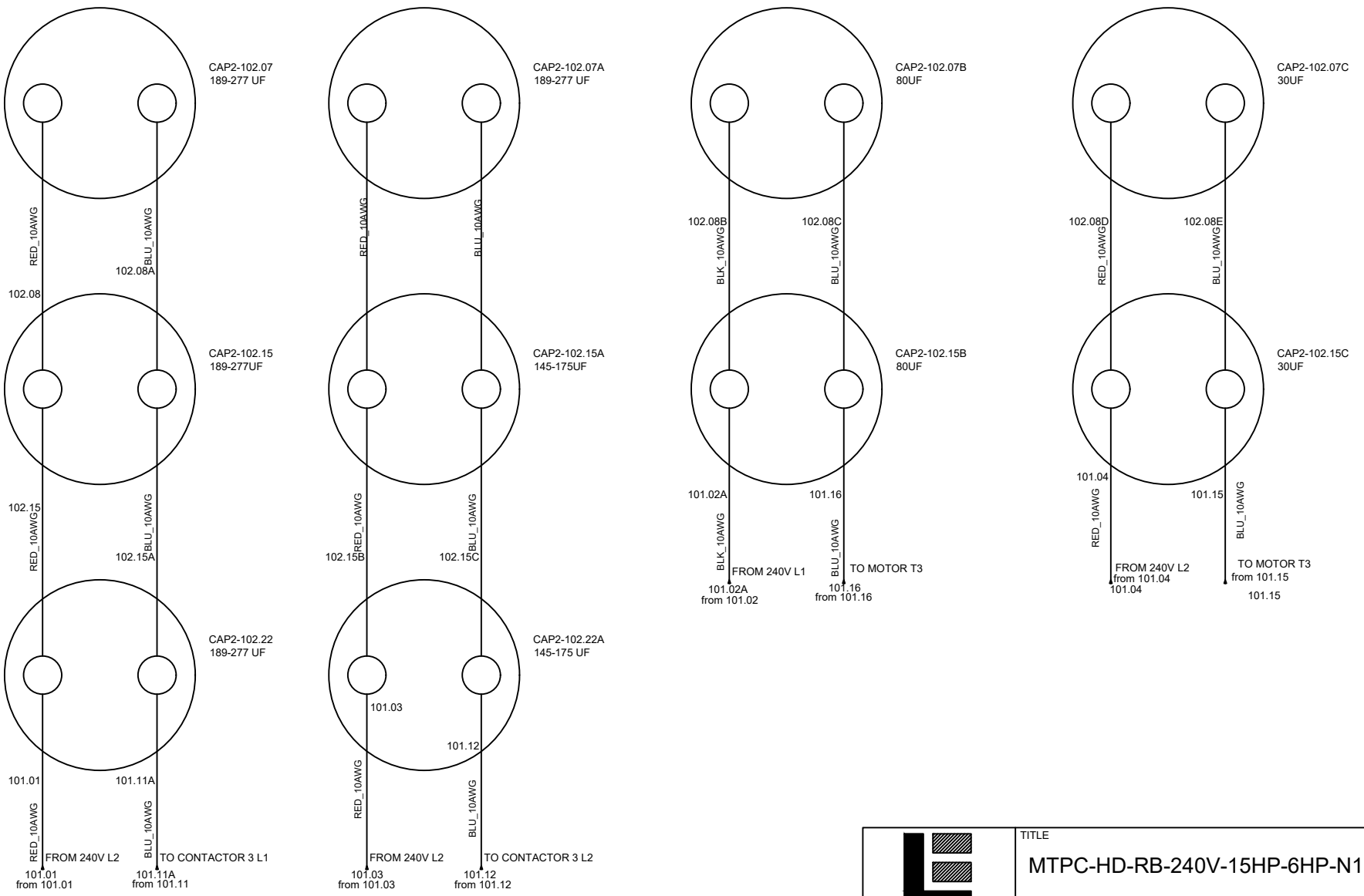
REV	DESCRIPTION	DATE
A	PRODUCT RELEASE	8/29/2024

MTPC-HD-RB-240V-15HP-6HP-N1

LARSON ELECTRONICS®



LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE MTPC-HD-RB-240V-15HP-6HP-N1		
	DRAWN BY A.HIRSH	DATE 8/29/2024	REV A
	CHECKED BY J.Maldonado	SHEET # 1 OF 4	DRAWING # 101



LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
MTPC-HD-RB-240V-15HP-6HP-N1			
DRAWN BY	DATE	REV	
A.HIRSH	8/29/2024	A	
CHECKED BY	SHEET #	DRAWING #	
J.Maldonado	2 OF 4	102	

CABLE PROVIDED BY CUSTOMER

CBL3-103.05 / BLK

CBL3-103.05 / RED

CBL3-103.05 / WHT

CBL3-103.05 / GRN

101.19

15 HP MOTOR

MOT3-103.08

M

PD3

OPEN TERMINAL BLOCK

PD3-103.21

L1

L2

L3

BLK_08AWG

RED_08AWG

BLU_08AWG

101.02

OUTPUT

TO MOTOR T1	TO MOTOR T2	TO MOTOR T3	P.E
101.19	101.19	101.19	101.02
from 101.17	from 101.17	from 101.19	from 101.02

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9419 E US HWY 175,
KEMP, TX 75143

TITLE: MTPC-HD-RB-240V-15HP-6HP-N1			
DRAWN BY: A.HIRSH	DATE: 8/29/2024	REV: A	
CHECKED BY: J.Maldonado	SHEET #: 3 OF 4	DRAWING #: 103	

TAGS	QTY	CATALOG	DESCRIPTION
CAP2-102.15A CAP2-102.22A	2	UNV00014353	START CAPACITOR 145-175uF 330V
CAP2-102.07 CAP2-102.07A CAP2-102.15 CAP2-102.22	4	UNV00014926	START CAPACITOR 189-227 uF 330V
CAP2-102.07B CAP2-102.15B	2	UNV00014922	80uF CAPACITOR ,440V AC
CAP2-102.07C CAP2-102.15C	2	UNV00015758	30uF CAPACITOR ,440V AC
CR1-101.22A	1	UNV00014311	2P 40A 240V COIL CONTACTOR
CR1-101.22	1	UNV00017881	POTENTIAL RELAY 66,COIL VOLTAGE 395
CR1-101.15 CR1-101.17	2	UNV00014566	3P 40A 208-240V COIL CONTACTOR
MOT3-103.08	1	UNV00014089	15HP,3PH,MOTOR 208-230/460V
PB1-101.15	1	UNV00016588	PUSH BUTTON START STOP 10A AC 220V/380V
PD1-101.04A PD3-103.21	2	UNV00014708	OPEN TERMINAL BLOCK 3 POLE 175 A
PD1-101.04	1	UNV00014327	OPENING TERMINAL BLOCK-2 POLE,175A
PE	1	UNV00007136	2 CONDUCTOR LUG

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TITLE: MTPC-HD-RB-240V-15HP-6HP-N1

DRAWN BY	DATE	REV
A.HIRSH	8/29/2024	A
CHECKED BY	SHEET #	DRAWING #
J.Maldonado	4 OF 4	104




LARSON
ELECTRONICS
A1
WARNING!


LARSON ELECTRONICS
LARSONELECTRONICS.COM
1-800-369-6671
sales@larsonelectronics.com
A1
CAUTION
ATTENTION
LARSON ELECTRONICS
CAT. NO. PCM 107-3
SPEC. 36N657L01151
HP 7.5
VOLTS 208-240
AMPS 21.5-20.7
R.P.M. 1800
FRAME 213TZ
HZ 60
PH 3
SER. F. 1.15
CODE
DES. D
CLASS B
NEMA NOM. EFF.
P.F.
RATING 40C AMB-CONT.
CC
USABLE AT 208V
BEARINGS DE 6205
ODE 6205
ENCL OPSB
SN F1808151125
Made in USA


LARSON
ELECTRONICS
1-800-369-6671 / LARSONELECTRONICS.COM
ON
OFF
American Made American Value
WARNING!
HIGH VOLTAGE!
Risk of electric shock.
Disconnect power and wait
one (1) minute before servicing.

Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC MTPC industrial line of phase converters are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

Regards,

Ray Smith
Larson Electronics, LLC.

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Frequently Asked Questions (FAQ)