



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	Thomas & Betts HM54A, Thomas & Betts HM56	
<b>Other means of identification</b>		
<b>SDS number</b>	SDS-00042	
<b>Product code</b>	* See Section 16	
<b>Recommended use</b>	Corrosion Inhibitor	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company name</b>	ABB Installation Products Inc.	
<b>Address</b>	860 Ridge Lake Blvd. Memphis, TN 38120 US	
<b>Telephone</b>	901-252-5000 ext.8324	
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	INFOTRAC - 24 HOURS:	1-800-535-5053 +1 352-323-3500 (Outside USA)

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Not classified.	
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		
<b>Hazard symbol</b>	None.	
<b>Signal word</b>	None.	
<b>Hazard statement</b>	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Avoid release to the environment.	
<b>Response</b>	Wash hands after handling.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	None.	

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Fiberglass	65997-17-3	10 - 30
Zinc oxide	1314-13-2	0.5 - 1.5
Other components below reportable levels		68 - < 89

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Will burn if involved in a fire.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p>The product is immiscible with water and will spread on the water surface. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Be aware of potential for surfaces to become slippery. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Zinc oxide (CAS 1314-13-2)	PEL	5 mg/m3	Fume.
		5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Zinc oxide (CAS 1314-13-2)	STEL	10 mg/m <sup>3</sup>	Respirable fraction.
	TWA	2 mg/m <sup>3</sup>	Respirable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Fiberglass (CAS 65997-17-3)	TWA	3 fibers/cm <sup>3</sup>	Fiber.
		3 fibers/cm <sup>3</sup>	Fibrous dust.
		5 mg/m <sup>3</sup>	Fiber, total
Zinc oxide (CAS 1314-13-2)		5 mg/m <sup>3</sup>	fibers, total dust
	Ceiling	15 mg/m <sup>3</sup>	Dust.
	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	5 mg/m <sup>3</sup>	Dust.
		5 mg/m <sup>3</sup>	Fume.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Occupational Exposure Limits are not relevant to the current physical form of the product.

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Skin protection****Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance****Physical state**

Solid.

**Form**

Paste. Grease.

**Color**

Gray.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Flash point**

>250 °C (>500 °F)

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)**

Not available.

<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble (<0.1)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
<b>Incompatible materials</b>	Oxidizers.
<b>Hazardous decomposition products</b>	Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Not a likely route of exposure under normal product handling conditions.
<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	May cause eye irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
---	---

### Information on toxicological effects

<b>Acute toxicity</b>	Not expected to be acutely toxic.
<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.

### Respiratory or skin sensitization

<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.

<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
-------------------------------	--

<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.
------------------------	---

### IARC Monographs. Overall Evaluation of Carcinogenicity

Fiberglass (CAS 65997-17-3)

3 Not classifiable as to carcinogenicity to humans.

### NTP Report on Carcinogens

Not listed.

## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
Zinc oxide (CAS 1314-13-2)		
<b>Aquatic</b>		
Crustacea	LC50 Water flea (Daphnia magna)	0.098 mg/l, 48 Hours

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in soil** Expected to have low mobility in soil.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Zinc oxide (CAS 1314-13-2) Listed.

### SARA 304 Emergency release notification

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Zinc oxide	1314-13-2	0.5 - 1.5

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.**US state regulations****US. Massachusetts RTK - Substance List**

Zinc oxide (CAS 1314-13-2)

**US. New Jersey Worker and Community Right-to-Know Act**

Fiberglass (CAS 65997-17-3)

Zinc oxide (CAS 1314-13-2)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Zinc oxide (CAS 1314-13-2)

**US. Rhode Island RTK**

Fiberglass (CAS 65997-17-3)

Zinc oxide (CAS 1314-13-2)

**California Proposition 65**California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Fiberglass (CAS 65997-17-3)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 17-December-2015  
**Revision date** 17-June-2024  
**Version** K  
**HMIS® ratings** Health: 1  
 Flammability: 1  
 Physical hazard: 0

### NFPA ratings



### Disclaimer

ABB Installation Products Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

### Product Codes

866	CIT9 (78812593966)	PT-1014	Q 1 U 65	U 1 N 48
867	CMP 200	PT-103300	Q 1 U 67	U 1 N 61
869	COOPER 0838587C01	PT-103301	Q 1 U 68	U 1 N 66
872	COOPER 0838587C02	PT-103302	Q 1 U 70	U 1 N 68
874	COOPER 0838587C03	PT-103303	Q 5 U 2	U 1 N 88
876	COOPER 0838587C04	PT-103304	Q 5 U 4	U 3 B 1010
879	COOPER 0838587C05	PT-103305	Q 5 U 6	U 3 B 22
883	COOPER 0838587C06	PT-103306	RCPTG 1/0 OF	U 3 B 24
892	COOPER 0838587C07	PT-103307	RCPTG 2 OF	U 3 B 44
2182	COOPER 0838587C08	PT-103309	RCPTG 4 V1	U 5 CP 1-6
2183	COOPER 0838587C10	PT-103310	RCPTG 6 V1	U 5 U 10
2188	COOPER 0838587C12	PT-103311	RCPTK 2/0 OF	U 5 U 10-14
15202	COOPER 0838587C14	PT-103312	RCPTK 4/0 OF	U 5 U 10-4
15209	COOPER 2638590C06	PT-103313-S20	RCPTM 500 OF	U 5 U 10-6
15219	COOPER 2638590C08	PT-1050-S2	RG 5 U 10	U 5 U 2
2000T 1/0-2/0	COOPER 2638590C10	PT-119200	RG 5 U 10-325-2	U 5 U 2 TN
2000T 2/0-4/0	COOPER 2638590C11	PT-119203	RG 5 U 20	U 5 U 2-10
2000T 2-1/0	COOPER 2638590C15	PT-26601	RG 5 U 20-6	U 5 U 2-12
2000T 250-350	COOPER 2690851D01	PT-26602-S2	RPTM 500 AP	U 5 U 2-14
2000T 250-500	COOPER 2690851D06	PT-26603	RPTM-500-AP15	U 5 U 2-2 1/2
2000T 3-1/0	COOPER 2690851D07	PT-26603-S10	RU 5 U 10	U 5 U 2-2-6
2000T 350-500	COOPER 2690851D08	PT-26604	RU 5 U 10-6	U 5 U 2-325-6
2000T 4/0-350	COOPER 2690851D09	PT-26605	RU 5 U 2	U 5 U 2-4
2000T 4-1/0	COOPER 0838587C09	PT-26606	RU 5 U 2-325-2	U 5 U 2-6
2000T 500-1000	COOPER 0838587C11	PT-26607	RU 5 U 2-6	U 5 U 4
2000T 500-750	COOPER 0838587C13	PT-26609	RU 5 U 4	U 5 U 4 TN
2000T 650-750	COOPER 0838587C64	PT-33601	RX 5 U 20	U 5 U 4-2 1/2
2000T 750-1000	COOPER 2638590C03	PT-33602	RX 5 U 20-6	U 5 U 4-4
2177 G 1/0	COOPER 2638590C09	PT-33603	RX 5 U 266 OF	U 5 U 4-6
2177 G 21	COOPER 2638590C13	PT-33604	RX 5 U 30	U 5 U 6
2177 K 2/0	COOPER 2638590C14	PT-33605	RX 5 U 336	U 5 U 6-4

2177 K 350	COOPER 2690851D10	PT-33605-S20	RX 5 U 336-6	U 5 U 6-6
2177 K 4/0	COOPER 2690851D12	PT-33606	RX 5 U 40	U 5 U 8
3 PU 1010	COOPER 2690851D13	PT-33606-S10	RX 5 U 40-460-2	U1010-YY
3 PU 102	COOPER 2690851D14	PT-33607	RX 5 U 40-6	U102-YR
3 PU 104	COOPER 2690851D15	PT-33607-K	SA 8-38	U104-YO
3 PU 21	COOPER 2690851D16	PT-33607-S10	SA 8-48	U22-RR
3 PU 22	COOPER 2690851D17	PT-33608	SA 8-48 TN	U24-RO
3 PU 24	COOPER 2690851D18	PT-33608-K	SAPT 1/0-10	U44-OO
3 PU 4040	COOPER 2690851D19	PT-33609	SAPT 1/0-1017	UBB 66
3 PU 44	COOPER 2690851D20	PT-35000	SAPT 1/0-1017 CC	UBBR 61
3 PU 48	COOPER 2690851D21	PT-35000-K	SAPT 1/0-106	UBG 68
3144-1/0-6	COOPER 2690851D35	PT-35001	SAPT 1/0-12	UGG 88
58 BLBL 10	COOPER 2690851D50	PT-35002	SAPT 1/0-242 AP	UOB 46
58 GG 10	COOPER 2690851D51	PT-35002-S10	SAPT 1/0-26	UOB 46 SP
58 OBL 10	COOPR PWR 2690851D02	PT-35002-S2	SAPT 1/0-272 AP	UOBR 41
58 OBR 10	COOPR PWR 2690851D03	PT-35003	SAPT 1S-26	UOBR 41 SP
58 OG 10	COOPR PWR 2690851D04	PT-35004	SAPT 2/0-106	UOG 48
58 OO 10	COOPR PWR 2690851D05	PT-35004-K	SAPT 2-1017 CC	UOG 48 SP
58 RBL 10	CPL 1/0 N	PT-35005	SAPT 2-12	UOO 44
58 RG 10	CPL 1000 N	PT-35006	SAPT 2-24	UOO 44 PR
58 RO 10	CPL 1000-58	PT-35007	SAPT 2-26	UOO 44 SP
58 RR 10	CPL 2 N	PT-4001	SAPT 2-26-840	URB 26
58 YBL 10-HM	CPL 3/0-48	PT-4002	SAPT 3/0-106	URB 26 SP
58 YO 10	CPL 350 N	PT-4003	SAPT 350-6	URBR 21
58 YR 10	CPL 4/0 N	PT-4004	SAPT 4/0-1018 CC	URG 28
58 YY 10	CPL 4-48	PT-4005	SAPT 4/0-106	URO 24
7785-1/0 SOL	CPL 477 N	PT-4005-S10	SAPT 4/0-2012	URO 24 SP
876 M	CPL 556 N	PT-4006	SAPT 4/0-206	URR 22
879 SP	CPL 600 N	PT-4007	SAPT 4/0-26	URR 22 PR
879 SPPR	CPL 750 N	PT-4007-S10	SAPT 4-26	URR 22 SP
A-4025	CPS 33	PT-4007-S2	SAPT 6-26	UYB 06
A-4025 (PSC)	CPS 35	PT-4008	SB 3535	UYG 08
A-4030 (PSC)	DC 402	PT-4008-K	SB 3935	UYO 04
A-4030-S2	DST 402	PT-4009	SB 5035	UYO 04 SP
A-4030-SH	FSK 2/0-10 W/FSS7141	PT-4010	SGAC 1/0	UYR 02
A-4035	FSK 350-10	PT-4011	SGAC 250	UYR 02 SP
A-4035 (PSC)	FSK 4 CAB	PT-4020-S2	SGAC 3/0	UYU 00
A-4035-S2 (KCPL)	FSK 4/0-10 W/FSS7141	PT-47701	SGAC 350	UYU 00 SP
A-4035-S20-SH	FSK 5583	PT-47701-S10	SGAC 500	VTN-250-250
A-4035-SH	FSK 5584	PT-47702	SGAC 500 TN	W 7 A 9
A-4040	FSK 5586	PT-47703	SK 1010	WH 10
A-4040 (KCPL)	FSK 5587	PT-55601	SL 500 NSPC	X 1 N 1010
A-4040 (PSC)	FSK 5731	PT-55602	SL 6060	X 1 N 102
A-4040-5-SH	FSK 6 CAB	PT-55603	SL 8747-8	X 1 N 104
A-4040-SH (JEA)	FSS500L W/X 1 U 2020	PT-55604	SL 8760	X 1 N 2010
A-4045 (KCPL)	FSS500L W/X 1 U 4040	PT-55605	SL 8775-8	X 1 N 202
A-4045-SH	GAX-100-4NN	PT-55606	SNG 00	X 1 N 2020



A-4045-SH (JEA)	GAX-111-4NN	PT-55607	SNG 00 HD	X 1 N 204
A-4050	GAX-130-4NN	PT-55607-S20	SNG 02	X 1 N 3010
A-4050-B	GAX-160-4NN	PT-55608	SNG 02 TN	X 1 N 302
A-4050-SH	GAX-200-4NN	PT-55608-S10	SNG 11	X 1 N 3020
A-4055	GAX-200-4NN-HLP	PT-55609	SNG 22	X 1 N 3030
A-4055 (INDIA)	GAX-230-4NN	PT-55611	SNG 22-ONCOR	X 1 N 304
A-4055-SH	GAX-250-4NN	PT-79500	SNG 24	X 1 N 4010
A-4060	GAX-250-4NN90	PT-79500-K	SNG 26	X 1 N 402
A-4060 (KCPL)	GAX-90-4NN	PT-79501	SNG 44	X 1 N 4020
A-4060-B	GAXT-250-4N	PT-79502	SNG 44-ONCOR	X 1 N 4030
A-4065	GHO 51	PT-79502-K	SNG 46	X 1 N 404
A-4065-B	HDL 1/0 NTNSPC	PT-79503	SNG 66	X 1 N 4040
A-4065-SH	HDL 2 NTNSPC	PT-79504	SS 1/0-500K	X 1 U 1010
A-4555-SH	HDL 250 NTNSPC	PT-79505	SS1 1/0 FN 500K	X 1 U 1010-10
A-4560-SH	HDL 3/0 NTNSPC	PT-79506	SS1 1/0 FN 500K MS	X 1 U 1010-10 W/HS
A-5040 (PSC)	HDL 4/0 NTNSPC	PT-79506-K	SS1 1/0 FN 750K	X 1 U 102
A-5045 (PSC)	HM 56	PT-79507	SS1 1/0 INSK	X 1 U 102-10 SOL
A-5045-S10 (PSC)	HM 56 (GAL)	PT-79508	SS1 1/0 RN 500K	X 1 U 102-8 SOL
A-5045-S20-SH	HM 56 (PINT)	PT-79508-K	SS1 1/0 RN 500K CE	X 1 U 104
A-5050	HO 11	PT-79509	SS1 1/0 RN 750K	X 1 U 2010
A-5050-S10	HO 15	PT-79510	SS1 2 FN 500K	X 1 U 202
A-5050-S10-SH	HO 17	PT-79511	SS1 2 FN 500K MS	X 1 U 2020
A-5050-S2	HTAP 1/0-1	PT-79511-S20	SS1 2 FN 750K	X 1 U 2020-10
A-5050-S20-SH	HTAP 2-8	PT-79511-S20-K	SS1 2 INSK	X 1 U 204
A-5055-1	HTAP 3/0-1	PT-79512	SS1 2 RN 500K	X 1 U 22
A-5060	HTAP 3/0-3/0	PT-79512-S20	SS1 2 RN 500K MS	X 1 U 22-10
A-5060-S10-SH	HTAP 4/0-2	PT-79513	SS1 2 RN 750K	X 1 U 24
A-5060-S20-SH	HTAP 4/0-3/0	PT-79513-S2	SS1 2/0 FN 500K	X 1 U 266
A-5060-S40-SH	HTAP 4/0-4/0	PT-79514	SS1 2/0 RN 400K	X 1 U 26610
A-5060-SH	HTAP 500-500	PTA 1/0	SS1 2/0 RN 500K	X 1 U 2662
A-5065	IKL34	PTA 350	SS1 2/0 RN 750K	X 1 U 26630
A-5065-SH	IKL35	PTA 350 TN	SS1 4 FN 500K	X 1 U 26640
A-5070	IKL36	PTA 350-10	SS1 4 FN 500K CE	X 1 U 3010
A-5070-SH (JEA)	IKL44	PTA 4/0	SS1 4 FN 500K MS	X 1 U 302
A-5075	IKL45	PTA 4/0-10	SS1 4 FN 750K	X 1 U 3020
A-5080	IKL46	PTA 500	SS1 4 INSK	X 1 U 3030
A-5080-SH	IKL47	PTB 300	SS1 4 RN 500K	X 1 U 304
A-5085	IKL54	PTB 300 TN	SSMS 1/0 K	X 1 U 336
A-5090	IKL55	PTB 350	SSMS 2 K	X 1 U 33610
AL 1272-4 N	IKL56	PTB 350 TN	SSMS 4 K	X 1 U 336-10 W/HS
AL 14136 X	IKL57	PTB 350-10 A	SSNM 1/0-906	X 1 U 336-10-HM
AL 1590-4 N	IKL58	PTB 350-2.5	SSP 1/0 FN 500K	X 1 U 33610W/FSS 500
AL 1590-4NN	IKL64	PTB 350-6	SSP 1/0 FN 750K	X 1 U 3362
ALCC-120-4N15-HM	IKL65	PTB 400	SSP 1/0 RN 500K	X 1 U 33620
ALCC-120-4N90	IKL66	PTB 400-6	SSP 1/0 RN 750K	X 1 U 33620 W/FSS500
ARS 1/0-840	IKL67	PTB 500-6	SSP 2 FN 500K	X 1 U 33626
AYTF-80-4NR	IKL68	PTD 1500-10	SSP 2 FN 750K	X 1 U 33630

CANLS 1/0 BC	IKL69	PTF 1000-10 A	SSP 2 RN 500K	X 1 U 33640
CANLS 22 BC	L 2/0 NSPC	PTF 1000-346	SSP 2 RN 750K	X 1 U 4010
CANLS 44 BC	L 500 NSPC V1	PTF 1000-6	SSP 2/0 FN 500K	X 1 U 402
CCG 22	L 500 NSPC V2	PTG 2-3	SSP 2/0 RN 500K	X 1 U 4020
CCG 24	L 500 NSPC V3	PTK 4/0-10 A	SSP 4 FN 500K	X 1 U 4030
CCG 44	MCS 2/0 K	PTL 1000	SSP 4 FN 750K	X 1 U 404
CCG 46	MCS 350 K	PTL 1000 TN	SSP 4 RN 500K	X 1 U 4040
CI 1 (78800424794)	MCS 4/0 K	PTL 1000-2.5	SSP 4 RN 750K	X 1 U 4040-10
CI 1 A (78800648889)	MPT 1/0-125	PTL 1000-8051	SSP 6 FN 500K	X 1 U 4040-ONCOR
CI 1/0 (78800424893)	MPT 2 W/COVER	PTL 1000-8051 TN	SSS 4 K	X 1 U 4040-10 W/HS
CI 2 (78800424786)	MPT 2/0-125	PTL 350-8051 TN	SSS 4 KNHEC	X 1 U 44
CI 2 A (78800648467)	MPT 2/0-125 W/COVER	PTL 4/0-8051 TN	STB-75-C	X 5 U 10
CI 2/0 (78800424901)	MPT 350-125	PTL 636	U 1 B 1010	X 5 U 10 TN
CI 21 (78801902129)	MPT 350-125 W/COVER	PTL 750	U 1 B 1010 EC	X 5 U 10-18
CI 21840 78805096423	MPT 4/0 W/COVER	PTL 750-10 A	U 1 B 102	X 5 U 10-325
CI 21 A(78923710061)	MPT 4/0-125	PTL 750-2.5	U 1 B 102 EC	X 5 U 10-325 HD
CI 22 (78800425601)	MPT 4/0-125 W/COVER	PTL 750-8051 TN	U 1 B 104	X 5 U 10-325-6
CI 250 (78800424935)	NC 40010	PTL 750-9	U 1 B 104 EC	X 5 U 10-6
CI 3/0 (78800424919)	NC 60010	PTL 800	U 1 B 106	X 5 U 20
CI 3/0 CWE	NST 40010	PTM 500	U 1 B 106 EC	X 5 U 20 TN
CI 350 (78800424950)	NST 60010	PTM 500 TN	U 1 B 108	X 5 U 20-12
CI 4/0 (78800424927)	OC 102	PTM 500-10 TN	U 1 B 108 EC	X 5 U 20-4
CI 4/0B(78800942704)	OC 102 MB	PTM 500-12	U 1 B 11	X 5 U 20-6
CI 450 (78800424976)	OC 22	PTM 500-346	U 1 B 11 EC	X 5 U 2-6
CI 500 (78800424984)	OC 22 HD	PTM 500-6	U 1 B 21	X 5 U 266
CI 650 (78800425015)	OC 42	PTM 556	U 1 B 22	X 5 U 30
CI 750 (78800425023)	OST 102	PTM 556-6	U 1 B 22 EC	X 5 U 30 TN
CI1/0840 78804700660	OST 102-6	PTSB 350	U 1 B 226 EC	X 5 U 30-4
CI1/0A (78800648897)	OST 22	PTSB 350-6	U 1 B 24	X 5 U 30-6
CI22 A (78800746279)	OST 42	PTSG 1/0	U 1 B 24 EC	X 5 U 336
CIR 1/0 840 (14)	PIK-00	PTSG 1/0-6	U 1 B 26	X 5 U 336-6
CIR 2 (78812659767)	PIK-00R	PTSG 2	U 1 B 26 EC	X 5 U 40
CIR 21 (78805098809)	PIK-11	PTSG 21	U 1 B 28	X 5 U 40 TN
CIR 22 (78805098791)	PIK-12	PTSG 21-6	U 1 B 41	X 5 U 40-12
CIR 22-840	PIK-22	PTSG 4	U 1 B 44	X 5 U 40-14
CIR1/0 (78805098817)	PIK-24	PTSG 6	U 1 B 44 EC	X 5 U 40-325-16
CIR1/0 A 78806421422	PIK-4040	PTSG 6-6	U 1 B 46	X 5 U 40-325-2
CIR1/084078806421398	PL 1000 NTSPC	PTSK 1/0	U 1 B 46 EC	X 5 U 40-4
CIR2/0 (78811412564)	PL 1500 NSPC	PTSK 2/0	U 1 B 48	X 5 U 40-6
CIR2/0 B 78812606511	PL 2000 NSPC	PTSK 2/0-6	U 1 B 61	PTL 1000-18 N 90
CIR21840 78806421380	PL 500 NSPC	PTSK 3/0	U 1 B 612	SS1 2 RNS4 500K MS
CIR21A (78806421414)	PL 750 NSPC	PTSK 350-6	U 1 B 66	SS1 1/0 RNS2 500K MS
CIR3/0 (78811412556)	PT 6286-2/0	PTSK 4/0	U 1 B 66 EC	
CIR4/0 (78806421372)	PT 6286-2-258	PTSK 4/0 W/FSS 350	U 1 B 68	
CIT1 (78801599420)	PT 6286-4/0	PTSK 4/0-6	U 1 B 81	
CIT1 A (78806174005)	PT 6286-500 L	PUL-35-1/2-LH-3	U 1 B 88	
CIT10 (78812656268)	PT-1001	PUL-4/0-1/2-LH-3	U 1 N 11	

CIT2 (78800648863)	PT-1002	PUL-75-1/2-LH-3	U 1 N 1010
CIT2 A (78805571565)	PT-1003	Q 1 U 52	U 1 N 102
CIT3 (78801599412)	PT-1003-S2	Q 1 U 54	U 1 N 104
CIT4 (78800648848)	PT-1005	Q 1 U 55	U 1 N 106
CIT5 (78800649317)	PT-1010	Q 1 U 57	U 1 N 108
CIT6 (78806419061)	PT-1011	Q 1 U 58	U 1 N 21
CIT7 (78809649482)	PT-1011-S2	Q 1 U 59	U 1 N 22
CIT8 (78809651850)	PT-1012	Q 1 U 60	U 1 N 24
TR61	PT-1013		U 1 N 26
TR63			U 1 N 28
TR64			U 1 N 41
TR66			U 1 N 44
			U 1 N 46