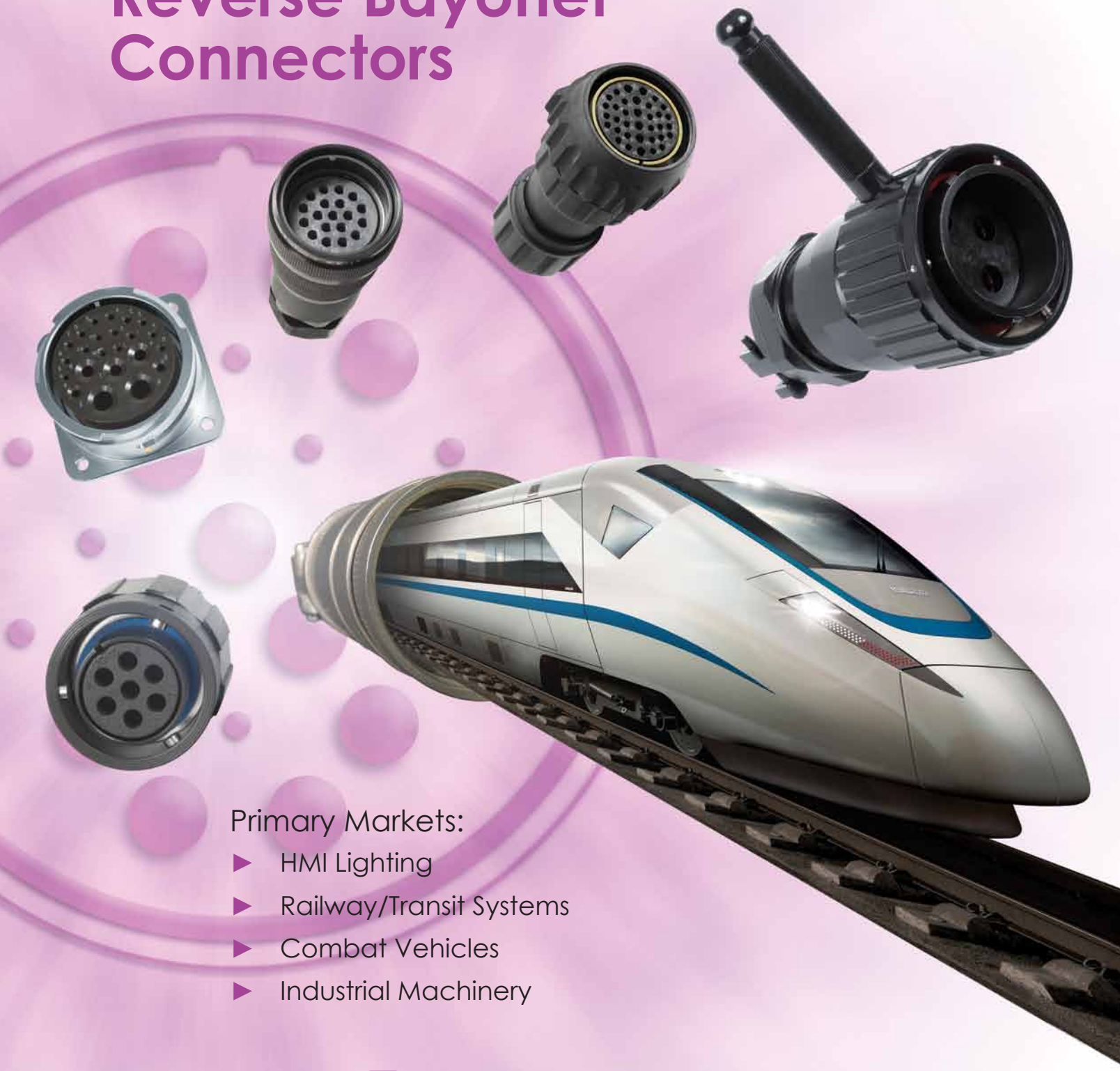
SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

Multi-Pin Cylindrical Reverse Bayonet Connectors



Primary Markets:

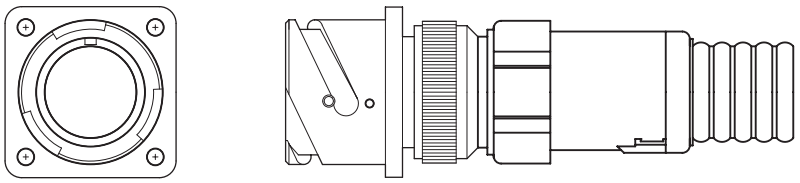
- HMI Lighting
- Railway/Transit Systems
- Combat Vehicles
- Industrial Machinery

SPACECRAFT COMPONENTS CORP.®

CATALOG 302

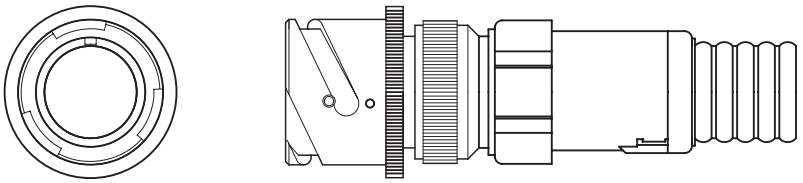
SECTION 5C
CONNECTORS FOR PLASTIC CONDUIT

FRONT VIEW SIDE VIEW



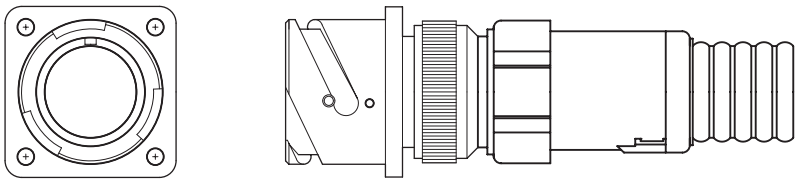
Wall Mount Receptacle SCPB00TRAC*
For Dimensions, see Page 1C-17

FRONT VIEW SIDE VIEW



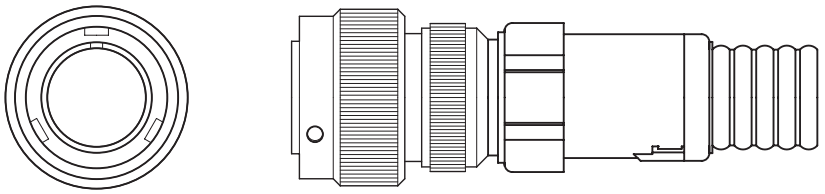
In-Line Receptacle SCPB01TRAC
*For Dimensions, see Page 1C-31

FRONT VIEW SIDE VIEW



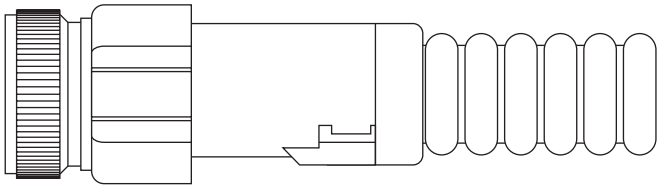
Wall Mount Receptacle, Rear Panel Mount SCPB030TRAC*
For Dimensions, see Page 1C-49

FRONT VIEW SIDE VIEW



Straight Plug SCPB06TRAC*
For Dimensions, see Page 1C-71

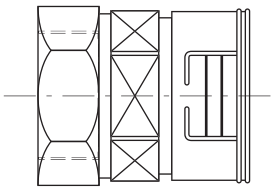
FLEXIBLE CONDUIT - PLASTIC



Class: TRAC for connectors supplied with one piece (no "U" clip) fittings: Ex: With UN threads. (Ex: SCPB06TRAC-28-12S(23U18). With PG Threads (ex: SCPB06TRAC-28-12S(36P36).

- Standard connector, fittings and conduit are black. Standard contacts supplied with connectors are gold plated crimp style. Internal wire sealing grommet is included. Other options available, consult factory.
- Fittings may be purchased individually by using the part numbers listed (next page, left column).
- Conduit may be purchased by ordering the conduit P/N listed (next page, right column).
- Conduit available in "G" (course) and in some cases "F" (fine) profile.
- Meets IP67 standards.
- Halogen free, self extinguishing, non flame spreading.
- Items that have an asterisk (*), consult factory.

UN Fitting



VP I V B - 17 U 14

VP Polyamide, Multi-Components

I Female thread
G Straight

R With seal on tube
V Seal set (IP 67)

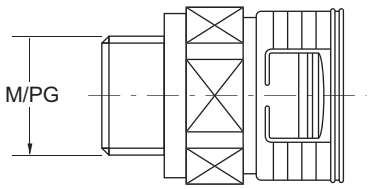
B Black
G Grey

Nominal width

U UNEF/UNS thread
S Push-in part

Thread size

PG Fitting



VP G V B - 10 P 09

VP Polyamide, multi-components

G Straight

R With seal on tube
V Seal set (IP 67)

B Black
G Grey

Nominal width

M Metric thread
P PG thread

Thread size

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FITTING SELECTION UNEF

SHELL SIZE	BACKSHELL THREAD	TRAC FITTING P/N FOR UNEF THREADS (IP67)	NOMINAL WIDTH	METRIC
10SL	5/8-24UNEF	VPIVB-07U05	7	10
		VPIVB-10U05*	10	12
		VPIVB-12U05	12	16
14S	3/4-20UNEF	VPIVB-10U07*	10	12
		VPIVB-12U07	12	16
		VPIVB-17U07	17	20
16S	7/8-20UNEF	VPIVB-12U09	12	16
		VPIVB-17U09*	17	20
16	7/8-20UNEF	VPIVB-12U09	12	16
		VPIVB-17U09	17	20
18	1-20UNEF	VPIVB-12U11*	12	16
		VPIVB-17U11	17	20
		VPIVB-23U11*	23	25
20	1 3/16-18UNEF	VPRIB-12U14*	12	16
		VPIVB-17U14	17	20
		VPIVB-23U14*	23	25
		VPRIB-29U14*	29	29
		VPIVB-36U14*	36	40
22	1 3/16-18UNEF	VPIVB-12U14*	12	16
		VPIVB-17U14	17	20
		VPIVB-23U14	23	25
		VPIVB-29U14*	29	29
		VPIVB-36U14*	36	40
24	1 7/16-18UNEF	VPIVB-12U18*	12	16
		VPIVB-17U18*	17	20
		VPIVB-23U18	23	25
		VPIVB-29U18*	29	29
		VPIVB-36U18*	36	40
28	1 7/16-18UNEF	VPIVB-12U18*	12	16
		VPIVB-17U18*	17	20
		VPIVB-23U18	23	25
		VPIVB-29U18*	29	29
		VPIVB-36U18*	36	40
32	1 3/4-18UNS	VPIVB-17U20*	17	20
		VPIVB-23U20*	23	25
		VPIVB-29U20*	29	32
		VPIVB-36U20*	36	40
36	2-18UNS	VPIVB-23U24*	23	25
		VPIVB-29U24	29	32
		VPIVB-36U24*	36	40
		VPIVB-48U24*	48	50
40	2 1/4-16UN	VPIVB-23U25*	23	25
		VPIVB-29U25*	29	32
		VPIVB-36U25*	36	40
		VPIVB-48U25*	48	50

CONDUIT SELECTION

TRAC Transit Conduit Heavy Duty, Flame	TRAC Transit Conduit High Flexible Flame
PARFB-07G	
PARFB-10F	PARFB-10F
PARFB-12F	PARFB-12F
PARFB-10F	PARFB-10F
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-12F	PARFB-212F
PARFB-17F OR 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36B	PARFB-36G
PARFB-12F	PARFB-12F
PARFB-17F OR17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-12F	PARFB-12F
PARFB-17F OR 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARVG-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-17F OR 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-48G	PARFB-48G
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PARFB-29G	PARFB-29G
PARFB-36G	PARFB-36G
PARFB-48G	PARFB-48G

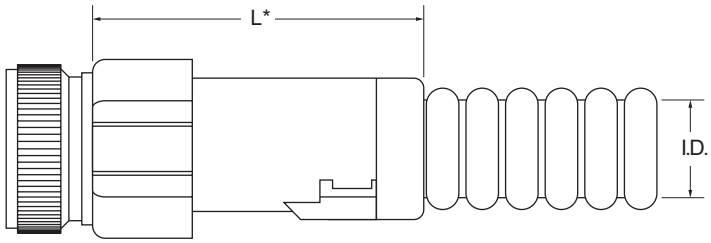
FITTING SELECTION PG

PG THREAD	TRAC FITTING P/N FOR PG THREADS (IP67)	NOMINAL WIDTH	METRIC
07	VPGVB-10P07	10	12
07	VPGVB-10P07K	10	12
09	VPGVB-10P09	10	12
09	VPGVB-10P09K	10	12
09	VPGVB12P09	12	16
11	VPGVB-10P11	10	12
11	VPGVB-10P11K	10	12
11	VPGVB-12P11	12	16
11	VPGVB-12P11K	12	16
11	VPGVB-17P11	17	20
13.5	VPGVB-10P13	10	12
13.5	VPGVB-12P13	12	16
13.5	VPGVB-17P13	17	20
16	VPGVB-17P16	17	20
16	VPGVB-17P16K	17	20
16	VPGVB-23P16	23	25
21	VPGVB-17P21	17	20
21	VPGVB-23P21	23	25
29	VPGVB-29P29	29	29
29	VPGVB-36P29	36	40
36	VPGVB-36P36	36	40
42	VPGVB-48P42	48	50
48	VPGVB-48P48	48	50

CONDUIT SELECTION

TRAC TRANSIT CONDUIT HEAVY DUTY, FLAME	TRAC TRANSIT CONDUIT HIGH FLEX, FLAME
PARFB-10F	PARFB-10F
PARFB-10F	PARFB-10F
PARFB-10F	PARFB-10F
PARFB-10F	PARFB-10F
PARFB-12F	PARFB-12F
PARFB-10F	PARFB-10F
PARFB-10F	PARFB-10F
PARFB-12F	PARFB-12F
PARFB-12F	PARFB-12F
PARFB-17F or 17G	PARFB-17G
PARFB-10F	PARFB-10F
PARFB-12F	PARFB-12F
PARFB-17F or 17G	PARFB-17G
PARFB-17F or 17G	PARFB-17G
PARFB-17F or 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-17F or 17G	PARFB-17G
PARFB-23G	PARFB-23G
PARFB-29G	PARFB-29G
PARFB-36B	PARFB-36G
PARFB-36B	PARFB-36G
PARFB-48G	PARFB-48G
PARFB-48G	PARFB-48G

FLEXIBLE CONDUIT - PLASTIC



Note: Dimension "L" is dependent on conduit size used with each shell size. Please consult our Customer Service Department.

CLASS: PILAG* Environmental, for PMA BVIRA fitting
CLASS: PILB* Environmental, for PMA BFILB fitting.
CLASS: PILMG* Environmental, for PMA BFILM fitting
CLASS: PIVG* Environmental, for PMA BVIVG fitting
CLASS: PILJ* Environmental, for PMA BFILJ fitting.

* For Mounting Hole Code See Table I of Applicable Receptacle

CLASS	SHELL SIZE	PMA FITTING	PART NUMBER SUFFIX	CONDUIT INNER DIA	L
PILAG	10SL	BVIRA-U152	(U152)	11.9	36.5
	14S	BVIRA-U182	(U182)	11.9	36.5
	14S	BVIRA-U187	(U187)	15.2	44.5
PILB	14/20	BFILB-U297	(U297)	15.2	38.0
	20 & 22	BFILB-U293	(U293)	22.0	38.0
PILMG	16S & 16	BFILM-U293	(U217)	15.2	33.0
	18	BFILM-U247	(U247)	15.2	35.0
	18	BFILM-U242	(U242)	12.0	35.0
	20 & 22	BFILM-U297	(U297)	15.2	35.0
PIVG	20 & 22	BVIVG-U293	(U353)	22.0	55.0
	24 & 28	BVIVG-U353	(U353)	22.0	52.0
	24 & 28	BVIVG-U356	(U356)	36.5	63.0
	24 & 28	BVIVG-U357	(U357)	15.2	46.5
	32	BVIVG-U436	(U436)	35.8	62.5
	32	BVIVG-U439	(U439)	27.7	51.5
	32	BVIVG-U433	(U433)	22.0	52.0
	36	BVIVG-U509	(U509)	27.7	55.0
	36	BVIVG-U503	(U503)	22.0	51.5
	40	BVIVG-U563	(U563)	22.0	51.0
	40	BVIVG-U566	(U566)	35.8	62.0
	40	BVIVG-U568	(U568)	46.7	64.0
	40	BVIVG-U569	(U569)	27.7	51.0
PILJ	40	BFILJ-U568	(U568)	46.7	65.0

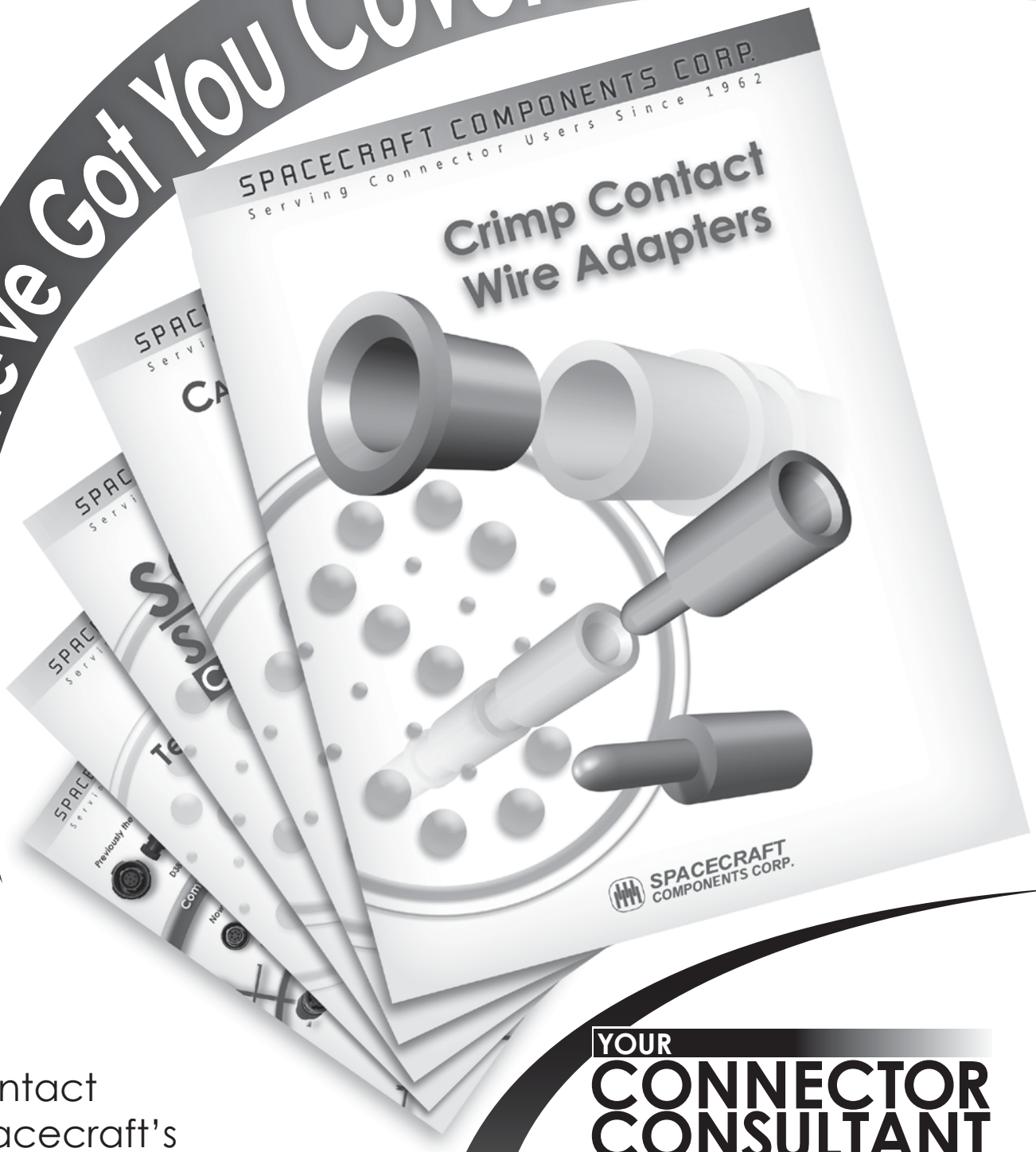
DIMENSIONS ARE IN MILLIMETERS

SPACECRAFT COMPONENTS CORP.
Distributed By: Eastern Connector Specialty Corp Tel: 860-355-8100 www.easternconnector.com

Cross Reference, PMA to TRAC Series

Shell Size	Backshell Thread	PMA BV (IP68)	PMA BF (IP67)	TRAC Fitting VPIVB (IP67)	NW	Metric	PMA Conduit Heavy Duty High Flex	PMA Conduit Heavy Duty Flex	PMA Conduit Heavy Duty Flame	PMA Conduit High Flexible Flame	TRAC Transit Conduit Heavy Duty Flame	TRAC Transit Conduit High Flexible Flame
10SL	5/8-24UNEF	BVIRA-U15M	BFILA-U15M	VPIVB-07U05	1	10	PCST-07B	VCST-07B	VAMT-07B	VAMLT-07B	PARVB-07G	
		BVIRA-U150	BFILA-U150	VPIVB-10U05*	10	12	PCST-10B	VCST-10B	VAMT-10B	VAMLT-10B	PARVB-10F	PARFB-10F
		BVIRA-U152	BFILA-U152	VPIVB-12U05	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
14S	3/4-20UNEF	BVIRA-U180	BFILA-U180	VPIVB-10U07*	10	12	PCST-10B	VCST-1GS	VAMG-10B	VAMLT-10B	PARVB-10F	PARFB-10F
		BVIRA-U182	BFILA-U182	VPIVB-12U07	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BVIRA-U187	BFILA-U182	VPIVB-17U07	17	20	PCS17 PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17F OR17G	PARFB-17G
16S	7/8-20UNEF	BVIVG-U212	BFILM-U212	VPIVB-12U09	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BVIVG-U217	BFILM-U217	VPIVB-17U09*	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17FOR 17G	PARFB-17G
16	7/8-20UNEF	BVIVG-U212	BFILM-U212	VPIVB-12U09	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BVIVG-U217	BFILM-U217	VPIVB-17U09	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17F OR 17G	PARFB-17G
18	1-20UNEF	BVIVG-U242	BFILM-U242	VPIVB-12U11*	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BVIVG-U247	BFILM-U247	VPIVB-17U11	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17F OR 17G	PARFB-17G
		BVIVG-U243		VPIVB-23U11*	23	25	PCSG-23B	VCSG-238	VAMG-23B	VAMLG-23B	PARVB-23G	PARFB-23G
20	1 3/16-18UNEF	BVIVG-U292		VPIVB-12U14*	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-212F
		BVIVG-U297	BFILM-U297	VPIVB-17U14	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17FOR 17G	PARFB-17G
		BVIVG-U293	BFILB-U293	VPIVB-23U14*	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARFB-23G
		BVIVG-U299	BFILB-U299	VPIVB-29U14*	29	29	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
			BFILB-U296	VPIVB-36U14*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-36B	PARVB-36B	PARFB-36G
22	1 3/16-18UNEF	BVIVG-U292		VPIVB-12U14*	12	16	PSCST-12B	VSCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BV1VG-U297	BFILM-U297	VPIVB-17U14	17	20	PCST/ PCSG-17B	VCST/VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17FOR 17G	PARFB-17G
		BV1VG-U293	BFILB-U293	VPIVB-23U14	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARV8-23G	PARFB-23G
		BVIVG-U299	BFILB-U299	VPIVB-29U14*	29	29	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
			BFILB-U296	VPIVB-36U14*	36	40	PSCG-3SB	VSCG-36B	VAMG-36B	VAMLG-36B	PARV8-36G	PARFB-36G
24	1 7/16-18UNEF	BVIVG-U352		VPIVB-12U18*	12	16	PCST-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARV8-12F	PARFB-12F
		BVIVG-U357	BFILB-U357	VPIVB-17U18*	17	20	PCST/ PCSG-17B	VCST/VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17FOR 17G	PARFB-17G
		BVIVG-U353	BFILB-U353	VPIVB-23U18	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARFB-23G
		BVIVG-U359	BFILB-U359	VPIVB-29U13*	29	32	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
		BVIVG-U356G		VPIVB-36U18*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-36B	PARVB-36G	PARFB-36G
28	17/16-18UNEF	BVIVG-U352		VPIVB-12U18*	12	16	PCSG-12B	VCST-12B	VAMT-12B	VAMLT-12B	PARVB-12F	PARFB-12F
		BVIVG-U357	8FILB-U357	VPIVB-17U18*	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-17B	PARVB-17F OR17G	PARFB-17G
		BVIVG-U353	BFILB-U353	VPIVB-23U18	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARFB-23G
		BVIVG-U359	BFILB-U359	VPIVB-29U18*	29	32	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-293	PARVG-29G	PARFB-29G
		BVIVG-U356G		VPIVB-36U18*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-35B	PARVB-36G	PARFB-36G
32	1 3/4-18UNS	BVIVG-U437		VPIVB-17U2Q*	17	20	PCST/PCSG-17B	VCST/ VCSG-17B	VAMG-17B	VAMLG-178	PARVB-17F OR 17G	PARFB-17G
		BVIVG-U433		VPIVB-23U20"	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARFB-23G
		BVIVG-U439		VPIVB-29U20*	29	32	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
		BVIVG-U436		VPIVB-36U20*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-36B	PARVB-36G	PARFB-36G
36	2-18UNS	BVIVG-U503		VPIVB-23U24*	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARF8-23G
		BV1VG-U509		VPIVB-29U24	29	32	PCSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
		BVIVG-U506		VPIVB-36U24*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-36B	PARVB-36G	PARF8-36G
		BV1VG-U508		VPIVB-48U24*	48	50	PCSG-48B	VCSG-48B	VAMG-43B	VAMLG-48B	PARVB-48G	PARFB-48G
40	2 1/4-16UN	BVIVG-U563		VPIVB-23U25*	23	25	PCSG-23B	VCSG-23B	VAMG-23B	VAMLG-23B	PARVB-23G	PARF9-23G
		BVIVG-U569		VPIVB-29U25*	29	32	PGSG-29B	VCSG-29B	VAMG-29B	VAMLG-29B	PARVB-29G	PARFB-29G
		BVIVG-U566		VPIVB-36U25*	36	40	PCSG-36B	VCSG-36B	VAMG-36B	VAMLG-36B	PARVB-36G	PARFB-36G
		BVIVG-U568		VPIVB-48U25*	48	50	PCSG-48B	VCSG-48B	VAMG-48B	VAMLG-48B	PARVB-48G	PARFB-48G

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